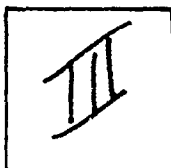


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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Davison AAF, Ft. Belvoir, Virginia It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

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19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables
  
20. and dew point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurring tables.

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15 DEC 1980

**REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS**

DAVISON AAF/FT BELVOIR VA      WBAN #93728  
N 38 43 W 077 11      FLD ELEV 79 FT      DAA      WMO #

PARTS A-F  
POR FROM HOURLY OBS: JUN 68 - DEC 70, JAN 73 - MAY 80  
POR FROM DAILY OBS: FEB 57 - MAY 80  
TIME CONVERSION GMT TO LST: -5

DEC 08 1980

AD A095332

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*Wayne E McCollom*

WAYNE E. MCCOLLOM, Chief  
Technical Information Section  
USAFETAC/TST

FOR THE COMMANDER

*Walter S. Burghmann*

WALTER S. BURGHMANN  
AWS Scientific and Technical  
Information Officer

13 FEB 1981

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV -  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hours: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

1. For the periods of record 1968-1970 and 1973-1980, Davison AAF (Ft Belvoir) reported 10 miles or greater visibilities only in 1968. This results in very low percentage frequency of occurrence in the summary of "Ceiling versus Visibility" for visibility greater/equal to 10 miles.

2. There is a significant increase in the percentage frequency occurrence of fog for all months (19.0 versus 12.8) from the previous RUSSWO. This is particularly evident in the visibility range of 3-6 miles. We believe this is due to increased industrialization in the Eastern U.S. Values for fog and/or haze peak from May through September, which may be correlated with the domination of high pressure over the East coast coupled with industrial pollutants.

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV (FT.)		CALL SIGN		WMO NUMBER	
93728		Davison AAF/Ft Belvoir VA		N 38 43		W 077 11		79		DAA			
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	HT. BARO.					
1	Davison AAF/Ft Belvoir VA	AAF	Feb 57	Feb 60	N 38 43	W 077 11	65	67 ft	24				
2	Same	Same	Mar 60	Feb 63	Same	Same	77	Same	24				
3	Same	Same	Mar 63	May 66	Same	Same	79	Same	24				
4	Same	Same	12 May	66-Dec 70	Same	Same	Same	88 ft	24				
5	Same	Same	Jan 71	Dec 78	Same	Same	Same	Same	24				
6	Same	Same	Jan 79	Aug 80	N 38 43	W 77 11	79	88 ft	24				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
1	Feb 57	Located 125 ft S of runway, 1405 ft from SE end.	AN/GMQ-1	ML204A	28 ft	
2	Mar 59	Located 416 ft N of centerline, 925 ft from SE end (approach end).	AN/GMQ-1	RO-s	29 ft	
3	Mar 60	Located on roof of operations bldg 320 ft from runway centerline and 1360 ft from SE end.	AN/GMQ-1A	Same	20 ft	
4	Mar 62	1. Located 600 ft NNW of approach end of runway 31, 200 ft NE of centerline. 2. Same as location 3 above (back-up equipment).	AN/GMQ-1	Same	15 ft	
			AN/GMQ-1A	Same	20 ft	

USAFETAC

FORM NOV 73

0-19 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
5	May 66	Located 600 ft NNE of approach end of rwy 31, 2-0 ft NE of centerline.	AN/GMQ-11	same	15 ft	
6	Mar 68	Located 225 ft from centerline and 699 ft from SE end of rwy 32	Same	Same	21 ft	
7	Jan 71	Located 200 ft from centerline and 575 ft from SE end of rwy ew	Same	Same	25 ft	
8	Dec 78	Same	AN/GMQ-20	Ro-2	25 ft	

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A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sum of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse



Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAD

## WEATHER CONDITIONS

0028 DAVISON AAF/FT BELVOIR VA 69-70,73-67 JAN  
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	1-12		2.8	.2	3.7		13.8	14.5	2.4	.2		16.1	923
	13-24		3.7	1.1	3.4		13.3	16.2	2.2			17.5	924
	25-36		1.1	1.2	4.5		15.4	18.4	4.			2.3	924
	37-48		1.5	1.0	5.8		16.8	18.3	5.4	.1		25.1	924
	49-60		9.	.9	3.5		15.8	13.5	6.2			19.	924
	61-72	.1	9.8	.5	4.8		14.9	13.5	4.9			17.2	925
	73-84		1.1	.1	3.8	.1	13.7	13.6	3.6			16.7	924
	85-96		8.1	.8	3.2	.1	12.1	13.5	2.4	.1		15.1	924
TOTALS		.2	7.5	.8	4.5	.2	14.5	15.2	4.3	.1		18.4	7392

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/YAC

## WEATHER CONDITIONS

728 STATION CAMDEN AAF/FT BELVOIR VA 69-71,73-80 YEARS FEB MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	0-23		6.5	.8	.9		8.6	14.5	3.9	.4		17.7	846
	3-15		6.9	1.3	2.2		13.4	15.7	2.8	.3		19.2	846
	16-28		6.0	2.2	3.1		11.2	18.7	6.1	.6		23.4	846
	1-11		7.1	.7	1.7		12.8	14.3	7.8	.4		23.7	846
	12-14		6.4	.7	4.1		11.2	10.2	5.7	.4		14.5	846
	15-17		8.1	.5	5.6		13.5	9.8	6.1	.4		14.4	846
	18-20		7.2	.5	4.8		12.4	11.1	5.1	.4	.1	15.1	846
	21-23		7.2	.1	4.4	.	11.7	11.1	3.3	.4		13.8	545
TOTALS			6.9	.8	3.9	.0	11.5	13.2	5.1	.4	.1	17.3	6768

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

18  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-73, 73-80  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-24	.1	12.0	.2	1.0		12.9	15.8	3.0			18.5	930
	3-05		11.2	.1	2.5		14.3	17.6	3.1			21.5	933
	06-10	.3	15.2	.2	3.2		18.2	24.8	5.8			28.8	930
	09-11		11.6	.2	3.3	.1	15.1	15.8	8.2			22.7	930
	12-14	.2	12.4	.3	2.7		13.0	10.8	6.7			17.2	930
	15-17	.4	12.1	.4	2.3		12.6	9.5	6.6			15.5	930
	18-21	.2	10.0	.3	1.7		11.7	10.1	6.6			15.5	930
	21-23	.2	13.5	.3	1.5		12.0	13.3	3.7			15.9	930
TOTALS		.2	11.3	.3	2.4	.0	13.7	15.0	5.5			19.5	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

1728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-71,73-81

YEARS

APR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	10-31	.5	9.4				9.4	13.2	4.4			15.2	900
	1-3-05	.2	9.6				9.6	19.0	4.7			21.4	900
	6-08	.1	12.0				12.0	20.6	13.0			29.4	900
	9-11	.1	10.8		.2		10.9	13.0	11.6			21.1	900
	12-14	.3	10.2		.2		10.4	8.2	8.4			15.1	900
	15-17	.4	6.9		.1		9.0	6.0	7.7			12.7	900
	18-20	.9	8.8				8.8	5.0	7.4			12.1	900
	21-23	.4	10.2				13.2	7.9	5.3			11.9	900
TOTALS		.3	10.2		.2		10.0	11.2	7.0			17.2	7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

1728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-80  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	0-23	.9	10.2				10.2	31.5	13.4			39.5	930
	03-05		11.7				11.7	44.1	12.4			48.2	933
	06-08		11.6				11.6	36.2	21.4			50.3	930
	09-11	.3	6.6				9.6	12.9	20.6			31.5	930
	12-14	.5	8.1				8.3	8.4	14.1			21.4	931
	15-17	2.6	9.4				9.4	7.0	16.9			23.1	930
	18-20	1.2	8.1				8.2	11.9	17.5			27.2	928
	21-23	1.5	10.0				10.0	23.6	15.0			33.7	927
TOTALS		.9	9.6				9.6	22.0	16.4			34.3	7435

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/VAC

## WEATHER CONDITIONS

728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	00-01	2.3	7.0				7.1	31.4	24.7			45.7	9.0
	03-05	.6	5.9				5.9	46.9	27.2			55.6	9.0
	06-08		3.9				3.9	35.7	36.1			55.1	9.0
	09-11	.1	5.3				5.3	8.0	35.7			39.9	9.0
	12-14	1.3	5.4				5.4	4.2	29.0			31.9	9.0
	15-17	3.6	6.9				6.9	4.9	27.3			29.7	9.0
	18-20	4.3	6.7			.1	6.7	9.0	27.6			32.3	9.0
	21-23	3.9	6.8				6.8	13.4	27.0			37.0	9.0
TOTALS		1.9	6.1			.0	5.0	19.8	29.3			41.9	72.0

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

1728  
STATION

DAVIDSON AAF/FT BELVOIR VA  
STATION NAME

66-70, 73-79  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	0-23	.0	6.3				6.3	41.8	40.6			57.7	930
	03-05	.8	5.3				5.3	52.4	41.0			54.2	930
	06-08	.3	3.2				3.2	44.9	46.6			65.8	930
	09-11	.4	3.4				3.4	8.5	51.2			52.8	931
	12-14	1.7	4.9				4.8	3.3	47.0			48.7	930
	15-17	4.4	7.1				7.1	3.4	45.4			47.5	930
	18-20	4.1	8.3				8.3	11.4	45.6			52.3	930
	21-23	3.7	7.1				7.1	28.9	47.5			56.1	930
TOTALS		2.3	5.7				5.7	24.3	45.7			55.4	7440



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

STATION DAVISON AAF/FT BELVOIR VA 63-77,73-79 YEARS AUG  
STATION NAME MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01-02	2.5	5.9				5.9	42.5	38.6			57.6	937
	03-05	.4	5.1				5.1	53.4	38.6			64.2	930
	06-08		2.7				2.9	52.5	53.8			73.8	930
	09-11	.1	3.8				3.8	11.0	55.4			56.7	930
	12-14	1.0	4.0				4.0	3.2	46.2			48.0	930
	15-17	4.2	6.2				6.2	3.8	42.6			44.5	930
	18-20	5.9	9.8			.2	9.8	11.0	46.6			50.1	930
	21-23	3.4	7.6				7.6	30.3	45.3			55.3	930
TOTALS		2.2	5.7			.2	5.7	26.0	45.9			56.5	7442

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

7728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

65-72, 73-79  
YEARS

SEP  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	0-24	.3	8.1				6.3	34.7	25.7			45.2	9.7
	3-25	.2	7.3				7.3	43.1	25.9			52.8	9.0
	6-30	.2	8.2				8.2	51.1	36.9			63.7	9.0
	9-11		9.8				5.8	11.2	34.8			41.9	9.0
	12-14	.1	5.8				5.8	4.1	25.0			28.2	9.0
	15-17	1.4	2.1				8.3	5.7	23.3			27.4	9.0
	18-20	2.0	6.3				9.3	13.6	28.3			36.8	9.0
	21-23	.9	7.3				7.3	26.8	26.8			41.9	9.0
TOTALS		.6	7.1				7.1	23.7	28.3			42.2	72.0

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

## WEATHER CONDITIONS

0-728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

65-71,73-79

YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
OCT	10-12	.9	9.4				7.4	30.6	8.2			33.9	930
	13-15	.4	8.4				6.4	36.2	7.2			34.9	937
	16-18		8.0		.3		6.5	40.9	15.6			47.1	930
	19-21	.3	8.2		.2		8.3	15.6	19.1			29.7	930
	22-24	.5	7.0				7.0	6.8	10.1			15.6	930
	25-27	.1	5.2				5.3	6.3	8.4			13.3	930
	28-31		6.5				6.5	11.7	8.4			17.4	930
	1-23	.3	8.8				8.8	18.6	1.2			24.6	930
TOTALS		.3	7.8		.1		7.6	20.8	11.3			27.6	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

## WEATHER CONDITIONS

STATION DAVISON AAF/FT BELVOIR VA 68-73,73-79 YEARS NOV MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	0-31	.1	12.1		.6		12.7	23.1	8.8			27.8	900
	3-35		10.9		.6		11.7	28.2	8.7			32.1	900
	06-08	.1	10.1		.6		10.8	37.7	13.1			42.2	900
	09-11		9.6		1.2	.1	10.8	21.7	15.9			33.4	900
	12-14	.1	10.2		.7	.1	10.9	13.4	10.7	.1		21.7	900
	15-17	.7	9.2		.3		9.6	11.2	9.4			18.3	900
	18-20	.6	9.1		.1		9.2	13.1	7.3			17.3	900
	21-23	.1	9.8		.2		10.3	18.1	6.9			21.2	900
TOTALS		.2	10.1		.6	.0	10.7	20.8	10.0	.0		26.7	7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

126 STATION JAVISON AAF/FT BELVOIR VA 63-71.73-79 YEARS DEC MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	1-12		9.6	.3	1.6		11.2	19.3	3.1			20.6	923
	3-15		7.8	.1	1.7		11.4	18.3	2.7	.3		20.4	924
	6-30		10.1	.1	1.9		11.9	21.4	7.4	.3		25.3	924
	9-11		9.7	.1	2.7		12.2	14.1	12.0	.3		23.6	924
	12-14		11.5		3.0		14.2	10.9	4.8	.3		15.3	923
	15-17	.3	11.8	.1	2.4		14.4	11.7	4.6	.3		15.3	923
	18-23	.1	12.1		1.6		13.4	14.1	3.1	.2		16.7	916
	1-23		9.1	.2	1.5		11.6	15.3	3.7	.3		18.7	915
TOTALS		.1	10.5	.1	2.3		12.4	15.7	5.2	.3		19.6	1364

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

41728 STATION WINGON AAF/FT BELVOIR VA 68-7, 73-8 YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.1	2.7	.8	4.5	.7	14.5	15.2	4.3	.1		12.4	7392
FEB			6.4	.8	3.9	.0	11.5	13.2	5.1	.4	.0	17.3	6768
MAR		.2	11.3	.3	2.4	.0	13.7	15.1	5.5			19.3	7440
APR		.1	19.1		.1		12.0	11.2	7.8			17.2	7200
MAY		.9	9.6				9.6	22.0	16.4			34.3	7435
JUN		1.9	6.7			.0	6.1	19.8	22.3			47.9	7250
JUL		2.0	5.7				5.7	24.3	45.7			55.4	7440
AUG		2.2	5.7			.0	5.7	26.0	45.9			55.5	7440
SEP		.6	7.1				7.1	23.7	28.3			41.2	7200
OCT		.3	7.6		.1		7.8	29.8	11.5			27.6	7440
NOV		.2	10.1		.6	.0	10.7	23.8	16.5	.1		26.7	7200
DEC		.1	10.5	.1	2.0		12.4	15.7	5.2	.3		19.6	7364
TOTALS		.7	8.4	.2	1.1	.3	9.6	19.0	17.9	.1	.1	31.3	87519

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $5/8$  mile.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

XX **WEATHER CONDITIONS** XX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
ATMOSPHERIC PHENOMENA

1728 LAMSON AAF/FI BELVOIR VA 57-80 ALL  
STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.7	32.5	4.1	19.7		42.9	37.1	33.1	1.8		47.6	711
FEB		.7	34.2	4.4	22.7	.1	45.7	37.9	34.7	2.4		51.1	678
MAR		4.4	42.3	.9	12.1	.3	47.4	39.2	34.7	.8		49.5	744
APR		5.5	45.1	.3	2.1	.7	45.1	38.3	32.5			47.5	721
MAY		15.2	49.1		.1	.5	49.1	56.7	51.7			66.1	744
JUN		21.7	43.8			.9	43.8	59.3	63.8			72.2	690
JUL		22.9	42.5			.6	42.5	61.9	67.9			74.6	713
AUG		22.2	45.0			.3	45.0	64.4	72.9			76.1	713
SEP		7.7	34.3				34.3	65.2	63.6			73.6	691
OCT		3.2	31.8		.3	.1	31.8	56.0	50.6			64.7	713
NOV		2.2	34.6		4.9	.3	41.7	47.1	42.6	.1		58.1	690
DEC		.4	35.1	3.1	15.9	.1	42.6	43.9	36.1	.8		52.2	711
TOTALS		9.1	37.1	1.1	6.5	.3	42.3	53.2	48.6	.5		61.3	8517



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

\* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 47	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

57728 STATION DAVISON AAF/FT BELVOIR VA STATION NAME 57-80 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOW/FAIR	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	56.1	1.7	1.7	6.8	4.4	7.0	6.6	4.9	1.8					33.2	711	3.01	8.77	.77
FEB	53.5	14.7	3.1	4.9	4.0	7.7	4.0	6.3	2.1					31.7	678	2.88	6.55	.42
MAR	51.6	14.1	2.7	5.9	3.8	7.8	5.6	5.9	2.4	.1				34.3	744	3.69	6.71	1.59
APR	53.8	11.7	3.3	6.9	3.8	7.8	5.7	5.6	1.4	.1				34.6	720	3.34	5.65	.96
MAY	49.9	14.5	2.8	5.6	4.3	8.5	6.9	4.8	2.7					35.6	744	3.70	9.42	.70
JUN	55.4	13.3	2.3	5.5	4.6	4.9	5.4	5.9	2.5		.1			31.3	690	3.63	16.15	1.03
JUL	56.2	12.1	2.7	5.0	3.8	7.4	4.9	5.2	2.1	.6				31.7	713	3.68	8.65	.74
AUG	58.8	8.7	2.4	5.0	4.5	6.5	4.9	4.5	4.3	.4				32.5	713	4.69	8.79	.96
SEP	64.5	8.3	3.0	4.6	3.2	4.3	4.3	4.1	2.8	.9				27.2	690	3.94	13.36	.90
OCT	67.7	8.6	2.5	4.2	3.1	3.9	3.2	4.6	2.5	.3				24.4	713	3.17	8.00	.55
NOV	57.7	11.6	3.2	6.7	2.8	5.9	4.9	4.9	2.2	.1				30.7	690	3.32	7.34	.50
DEC	56.2	11.7	4.1	4.8	4.4	5.6	4.2	4.9	3.9	.1				32.1	710	3.51	7.34	.58
ANNUAL	56.7	11.7	2.8	5.5	3.9	6.4	5.0	5.1	2.6	.2	.0			31.6	8516	4.96		

GLOBAL CLIMATOLOGY BRANCH  
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## EXTREME VALUES

### PRECIPITATION

(FROM DAILY OBSERVATIONS)

93728 DAVISON AAF/FT BELVOIR VA

57-80

STATION

STATION NAME

YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB.	MAR	APR.	MAY	JUN	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
57		.99	.80	.77	.48	.64	.58	1.74	.71	1.52	.73	2.24	
58	1.52	1.09	1.24	.92	.60	1.59	2.94	3.64	.99	1.25	.60	1.29	3.64
59	.83	.60	.79	1.42	.71	1.52	1.56	1.65	1.12	.94	.73	1.42	1.65
60	.85	1.17	.89	1.02	2.00	.60	1.07	1.47	1.45	.68	.38	1.05	2.10
61	.84	1.39	1.36	.81	.51	1.06	2.28	1.56	.33	1.33	.54	.67	2.28
62	1.08	1.26	1.36	.64	.87	.63	1.36	.40	.93	.90	1.85	1.01	1.85
63	.42	.58	1.01	.39	.48	1.65	.58	1.22	1.79	.05	2.21	.95	2.21
64	1.31	.75	1.35	1.05	1.27	.54	.58	.98	1.32	.80	1.07	.90	1.35
65	.98	1.10	1.51	.83	1.16	.86	.96	2.32	.75	2.85	.24	.34	2.85
66	1.15	1.31	.96	.76	1.55	.70	.17	.76	4.57	3.17	.84	.69	4.57
67	.44	.91	1.31	.45	1.77	.41	.97	2.17	.64	1.00	1.02	1.35	2.17
68	1.26	.37	1.78	1.12	1.19	1.30	1.26	.66	3.22	1.20	.99	.64	3.22
69	.93	1.05	.49	.48	.69	.66	1.80	2.01	2.19	.75	1.11	2.04	2.19
70	.65	.89	.72	2.69	1.08	.39	3.05	.71	.87	1.07	3.06	1.17	3.06
71	.74	1.96	1.21	1.53	1.98	.57	.73	4.20	.57	2.45	1.34	1.39	4.20
72	.61	1.71	1.06	1.56	1.06	9.10	2.56	.26	.76	1.86	1.67	1.38	9.10
73	.80	1.79	.47	1.24	.79	1.78	1.02	4.25	2.24	1.32	.49*	2.11	4.25
74	* .71	.42	1.91	1.43	1.82	1.39	1.56	2.33	2.64	.44	.76*	1.39	2.64
75	* .71	.52	1.86	.80	.79	1.72	3.32	2.28	4.05	1.13	1.26	1.36	4.05
76	1.17	.68	.99	1.20	1.54	.57	1.21	1.48	2.22	1.84	.53	1.35	2.22
77	.32	.58	1.12	.86	1.32	2.15	1.54	1.47	.28	2.30	.91	2.39	2.39
78	1.74	.17	2.66	.63	2.06	1.28	1.87	2.04	.55	.59	.73	1.25	2.66
79	1.54	1.83	1.97	.48	1.46	1.08	1.44	1.46	4.17	2.07	.70	.63	4.17
80	1.23	.27	.97	.77	1.04								
MEAN	.960	.959	1.231	.965	1.184	1.400	1.495	1.785	1.668	1.370	1.042	1.238	3.767
S.D.	.375	.501	.512	.496	.496	1.754	.850	1.079	1.289	.785	.644	.589	1.715
TOTAL OBS.	712	678	744	720	744	690	713	713	690	713	690	710	8515

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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JUL 84

**EXTREME VALUES**  
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

57-RC

**YEARS**

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57		2.66	2.24	2.91	.94	2.57	1.08	2.75	2.62	2.35	3.35	5.87	
58	3.39	4.03	5.18	4.73	2.41	4.23	8.65	8.64	2.37	2.11	2.01	2.10	42.85
59	2.30	1.78	3.18	4.24	2.07	3.31	4.97	3.20	3.45	3.12	1.79	3.45	36.84
60	2.65	3.41	2.78	3.24	5.56	1.03	2.99	4.70	3.80	1.28	1.10	2.14	35.38
61	2.81	4.94	4.48	3.10	2.22	3.34	4.41	4.92	1.02	2.20	2.11	3.47	39.02
62	2.05	4.53	3.86	2.74	3.55	2.00	2.72	1.25	3.04	1.41	6.30	3.64	37.12
63	1.74	1.63	5.07	.98	1.24	4.24	.99	2.28	3.40	.95	6.16	2.19	30.01
64	4.05	3.35	2.96	4.89	1.50	1.72	1.50	1.88	2.91	2.08	1.64	3.21	31.49
65	2.64	2.04	3.82	3.12	1.70	2.67	4.36	5.31	2.46	3.69	.50	.58	32.89
66	3.92	3.58	1.59	3.37	3.63	1.96	.74	1.20	9.24	4.50	1.40	2.35	37.48
67	.77	1.74	3.21	1.10	5.12	1.69	4.26	8.16	.90	2.59	2.08	6.32	38.01
68	2.56	.77	4.35	1.93	4.23	5.89	1.92	2.45	4.39	3.44	3.83	2.30	38.12
69	2.38	2.25	2.01	1.25	1.45	1.64	5.16	6.88	4.97	1.22	2.69	7.34	39.24
70	1.60	3.25	3.23	5.65	3.67	1.81	6.13	2.02	1.71	2.51	7.06	3.46	42.10
71	2.05	5.61	2.43	3.00	9.42	1.69	2.17	6.79	1.28	8.00	3.13	1.81	47.38
72	2.54	6.55	2.43	4.59	5.08	16.15	4.14	.96	1.80	4.02	7.34	5.59	61.19
73	2.78	3.54	3.30	5.31	3.25	2.91	2.35	8.79	3.61	2.17	1.52*	7.04	*46.57
74	* 2.23	1.26	5.56	2.71	4.49	4.51	2.23	8.43	6.18	.75	1.91*	5.25	*47.51
75	* 3.76	1.63	6.71	2.68	3.62	5.97	5.54	5.73	13.36	3.52	1.82	3.93	*58.27
76	3.58	1.75	3.44	1.35	6.07	1.52	3.77	2.92	5.82	7.95	.96	2.29	41.49
77	.97	.65	2.72	2.82	3.27	4.03	4.45	3.72	.95	5.33	5.82	5.51	40.24
78	8.77	.42	5.33	2.19	6.78	4.84	4.99	6.67	1.20	1.40	2.24	5.24	49.87
79	6.87	6.40	3.78	2.24	4.78	3.71	5.08	8.27	9.99	6.62	2.67	1.39	61.80
80	2.75	1.44	4.95	3.73	2.69								
MEAN	3.008	2.883	3.694	3.040	3.699	3.630	3.681	4.693	3.936	3.174	3.319	3.513	41.554
S. D.	1.828	1.762	1.285	1.334	2.013	3.075	1.927	2.693	3.183	2.115	2.056	1.805	8.856
TOTAL OBS.	711	678	744	720	744	690	713	713	695	712	690	710	8516

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0 88 5 (OLA)

3 GLOBAL CLIMATOLOGY BRANCH  
 1 USAFETAC  
 1 AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOWFALL  
 (FROM DAILY OBSERVATIONS)

93728  
 STATION

DAVISON AAF/FT BELVOIR VA  
 STATION NAME

57-86  
 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	80.7	1.7	2.5	2.1	1.4	1.0	.4	.7	.3		.1			8.6	709	5.8	35.0	TRACE
FEB	77.1	12.9	2.0	2.3	2.3	.5	.6	1.4	.8	.2				10.0	650	7.6	24.3	TRACE
MAR	87.5	6.7	.9	1.9	1.1	.1	.5	.5	.5	.1				5.8	744	4.8	26.2	.0
APR	97.9	1.4	.4	.1	.1									.7	720	.1	2.0	.0
MAY	100.0														744	.0	.0	.0
JUN	100.0														690	.0	.0	.0
JUL	100.0														713	.0	.0	.0
AUG	100.0														713	.0	.0	.0
SEP	100.0														690	.0	.0	.0
OCT	99.7	.1				.1								.1	713	.1	2.8	.0
NOV	94.8	3.9	.3	.3	.4	.1			.1					1.3	690	.9	9.0	.0
DEC	84.2	11.2	1.3	1.8	.7	.4	.3	.7	.1	.3				5.6	709	4.5	24.8	.0
ANNUAL	93.5	3.8	.6	.7	.5	.2	.1	.3	.1	.0	.0			2.7	8485	23.8		

(FROM DAILY OBSERVATIONS)

Y-728	DAVISON AAF/FT BELVOIR VA
STATION	STATION NAME

57-83

**YEARS**

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57		1.3	1.1	.1	.0	.0	.0	.0	.0	.0	TRACE	4.4	
58	.5	14.7	7.5	.0	.0	.0	.0	.0	.0	.0	TRACE	1.0	14.7
59	3.0	TRACE	TRACE	2.0	.0	.0	.0	.0	.0	.0	TRACE	.2	3.0
60	1.3	4.5	8.9	.0	.0	.0	.0	.0	.0	.0	TRACE	6.1	8.9
61	8.0	9.8	1.2	TRACE	.0	.0	.0	.0	.0	.0	2.3	1.9	9.8
62	2.0	5.1	12.8	TRACE	.0	.0	.0	.0	.0	.0	2.7	13.9	12.8
63	.7	2.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	7.1	7.1
64	* 5.2	8.0	7.5	.2	.0	.0	.0	.0	.0	.0	TRACE	TRACE	8.1
65	* 3.0		2.2	.0	.0	.0	.0	.0	.0	.0	.0	*TRACE	
66	18.7	6.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	12.6	18.7
67	1.8	9.4	.1	.0	.0	.0	.0	.0	.0	.0	9.0	2.4	9.4
68	1.7	2.0	1.1	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
69	TRACE	2.5	3.9	.0	.0	.0	.0	.0	.0	.0	TRACE	6.0	6.0
70	2.3	2.1	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	5.5	5.5
71	4.0	TRACE	.7	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.3
72	TRACE	4.9	TRACE	.6	.0	.0	.0	.0	.0	.0	TRACE	.3	4.9
73	TRACE	TRACE	.4	.2	.0	.0	.0	.0	.0	.0	.0	* 3.9	* 3.9
74	*TRACE	3.9	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE*	.3	3.9
75	* 5.0	6.3	2.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.3
76	.0	1.0	2.6	.0	.0	.0	.0	.0	.0	.0	1.0	1.7	2.6
77	4.3	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.1	.1	4.3
78	4.6	1.7	4.0	.0	.0	.0	.0	.0	.0	.0	2.0	TRACE	4.6
79	2.9	8.6	TRACE	.0	.0	.0	.0	.0	.0	2.8	.0	.1	8.6
80	3.2	2.3	6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
MEAN	3.14	4.20	2.60	.13	.00	.00	.00	.00	.00	.12	.76	3.00	7.48
S. D.	4.297	3.668	3.479	.470	.001	.000	.000	.000	.000	.594	1.972	3.467	4.567
TOTAL OBS.	709	650	744	720	744	690	713	713	690	713	690	779	8485

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88.5 (OLA)  
JUL 64

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

(FROM DAILY OBSERVATIONS)

53728	DAVISON AAF/FT BELVOIR VA
STATION	STATION NAME

57-80

YEARS

## TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB.	MAR	APR	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV	DEC	ALL MONTHS
57		1.3	1.1	.1	.0	.0	.0	.0	.0	.0	TRACE	5.2	
58	.6	21.2	26.2	.0	.0	.0	.0	.0	.0	.0	TRACE	1.5	49.7
59	5.5	TRACE	TRACE	2.0	.0	.0	.0	.0	.0	.0	TRACE	.3	7.8
60	1.7	8.0	23.5	.2	.0	.0	.0	.0	.0	.0	TRACE	6.9	40.1
61	14.3	19.2	.2	TRACE	.0	.0	.0	.0	.0	.0	4.3	3.8	42.5
62	2.5	11.3	19.7	TRACE	.0	.0	.0	.0	.0	.0	2.7	21.6	58.7
63	1.8	2.8	.9	.0	.0	.0	.0	.0	.0	.0	TRACE	8.2	13.5
64	* 8.6	14.4	7.9	.2	.0	.0	.0	.0	.0	.0	TRACE	TRACE	* 31.1
65	* 6.4		4.3	.0	.0	.0	.0	.0	.0	.0	.0	*TRACE	
66	35.0	8.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	24.8	67.8
67	1.8	18.1	.1	.0	.0	.0	.0	.0	.0	.0	9.0	2.4	31.4
68	3.7	2.7	2.1	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	8.5
69	TRACE	3.7	5.9	.0	.0	.0	.0	.0	.0	.0	TRACE	7.1	16.7
70	5.3	3.1	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	6.1	14.5
71	4.4	TRACE	.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.3
72	TRACE	13.9	TRACE	.6	.0	.0	.0	.0	.0	.0	TRACE	.3	14.8
73	TRACE	TRACE	.4	.2	.0	.0	.0	.0	.0	.0	.0	* 7.3	* 7.9
74	*TRACE	4.3	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE*	.3	* 4.6
75	* 6.0	8.0	2.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	* 16.0
76	.3	1.0	2.6	.0	.0	.0	.0	.0	.0	.0	1.0	2.2	6.9
77	9.3	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.1	.1	9.3
78	10.6	4.2	6.5	.0	.0	.0	.0	.0	.0	.0	3.0	TRACE	24.3
79	6.2	24.3	TRACE	.0	.0	.0	.0	.0	.0	2.8	.0	.1	33.4
80	7.7	5.6	9.3	.0	.0								
MEAN	5.79	7.61	4.78	.13	.00	.00	.00	.00	.00	.12	.89	4.53	26.15
S D	8.119	7.483	7.643	.420	.300	.000	.000	.300	.000	.534	2.119	7.025	19.526
TOTAL OBS.	709	650	744	720	744	690	713	713	690	713	690	709	8485

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88.5 (OLA)  
JUL 68



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

93728 DAVISON AAF/FT BELVOIR VA 57-80  
STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	.51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	70.5	7.5	5.6	4.6	4.6	4.9	2.0	.3						22.1	711			
FEB	74.0	5.8	5.2	3.4	3.1	4.6	2.7	1.3						20.2	678			
MAR	91.2	2.7	1.9	2.0	.8	1.5	.9							7.1	744			
APR	99.9	.1													720			
MAY	100.0														744			
JUN	100.0														690			
JUL	100.0														713			
AUG	100.0														713			
SEP	100.0														690			
OCT	100.0														713			
NOV	98.7	.7	.1	.1	.1		.1							.6	690			
DEC	84.2	5.1	3.1	2.0	1.1	3.4	1.0	.1						16.7	711			
ANNUAL	93.1	1.8	1.3	1.0	.8	1.2	.6	.1						5.1	8517			

USAF ETAC FORM 0-88.5 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

50728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

58, 61-80  
YEARS

### DAILY PEAK GUSTS IN KNOTS

MONTH /YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
58												WNW 34	
59							W 53	WSW 25	NNE*35	WNW 30	NW *32	W 30	
60	NW 34	NW 28	NW 33	NNW*33	*40	NW 28	SE 31	NW 25	NNW 29	NNW 31	W *38	NW 47	W *40
61	NW *45	NW 34	W 34	WSW*49	NNW 32	NNW 30	NW *29	NW 28	NW 27	NNW 33	W 40	NNW 41	WSW*49
62	NNW 40	NW 47	S 43	NW 36	NW 34	NNW 20	SW 24	W 25	N 33	NNW*28	NW 37	NW 47	NW 47
63	NW 37	NNW 37	NW *37	NW 45	NW 29	NW 42	NW 41	NNW 45	SSW 31	NNW 29	NNW 40	NW 34	NW 45
64	NNW 41	NW 30	NNW 45	NW 35	WSW 35	N 31	NE 33	NNW 26	ENE 25	NNW 32	NW 34	NW 31	NNW 45
65	NW 45	NNW 41	NW 51	NNW 38	NNW 31	NNW 23	NW 43	N 25	NNE 26	SSW*21	NW *39	NW 39	NW 51
66	NW 39	NW 38	NW 43	NW 43	NW 28	WSW 35	WSW 31	SE 37	SE 17	SE 24	SE 31	SE 40	NW 43
67	28/ 38	31/ 52	30/ 43	31/ 34	19/ 30	29/ 35	46	31/ 40	31/ 54	30/ 38	33/ 38	29/ 49	31/ 54
68	31/ 39	29/ 43	33/ 35	21/ 39	33/ 36	31/ 4	62	30/ 32	32/ 50	30/ 33	31/ 41	32/ 50	30/ 62
69	31*	67	17/ 38	31/ 49	31/ 45	32/ 4	31/ 29	32/ 28	16/ 27	35/ 28	31/ 44	32/ 53	31* 67
70	32/ 41	30/ 56	33/ 38	27/ 63	27/ 35	33/ 38	31/ 32	35/ 21	35/ 33	35/ 39	31/ 45	29/ 40	27/ 63
71	31/ 37	31/ 35	25/ 43	35/ 30	30/ 28	28/ 2	37	20/ 25	32/ 25	14/ 28	28/ 41	34/ 37	25/ 43
72	33/ 33	30/ 40	35/ 40	33/ 37	32/ 41	23/ 25	32/ 31	21/ 38	33/ 35	32/ 30	31/ 3	8/ 41	32/ 41
73	31/ 39	35/ 38	31/ 46	22/ 63	34/ 42	25/ 32	34/ 37	22/ 32	33/ 29	31/ 25	36/ 33	34/ 31	22/ 63
74	30/ 40	31/ 51	33/ 45	32/ 35	34/ 31	19/ 25	29/ 40	24/ 27	32/ 29	16/ 26	30/ 31	26/ 47	31/ 51
75	3/ 49	32/ 39	29/ 47	34/ 40	33/ 58	34/ 37	36/ 40	33/ 30	36/ 21	31/ 37	33/ 39	31/ 42	33/ 58
76	24/ 45	33/ 41	33/ 37	23/ 39	18/ 27	30/ 51	28/ 35	18/ 27	31/ 29	34/ 31	34/ 33	32/ 45	30/ 51
77	32/ 44	32/ 44	29/ 31	30/ 43	33/ 29	33/ 28	35/ 30	29/ 27	12/ 55	34/ 25	26/ 33	32/ 39	12/ 55
80	32/ 30	32/ 32	31/ 43	30/ 40	32/ 26								
MEAN	39.8	40.5	41.3	41.3	33.8	33.5	37.2	30.4	31.9	31.1	37.5	43.2	52.4
S.D.	4.791	7.178	5.518	8.723	7.500	7.358	9.402	7.293	10.26	4.080	4.642	6.459	8.107
TOTAL OBS.	638	558	613	584	607	560	611	592	56	566	553	608	6790

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 088-5 (OLA)

3 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

93728 DAVISON AAF/FT BELVOIR VA

STATION

STATION NAME

57-80

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
10						.1	.4						.0
15				.3	.1	1.9	4.6	2.7	.3				.8
20				2.2	3.9	15.2	25.8	22.2	6.4	.4			6.3
25			.4	6.4	14.0	40.1	60.9	57.1	26.7	2.1	.3		17.3
30			2.0	13.8	29.8	65.4	86.8	83.3	47.7	7.9	1.3		28.1
35		.6	5.4	22.9	51.6	85.7	97.1	95.8	70.0	20.9	3.6	.3	37.8
40	1.1	2.2	12.1	38.7	73.2	95.1	99.4	99.4	85.5	42.4	11.3	1.4	46.9
45	2.1	5.3	20.2	53.4	85.8	99.1	100.0	100.0	95.7	63.5	23.9	5.1	54.6
50	6.3	10.1	31.6	69.3	95.0	99.9			99.3	80.9	40.7	9.3	62.0
55	11.7	17.8	46.8	84.0	98.5	100.0			100.0	92.7	59.4	19.1	69.3
60	20.3	28.6	63.4	93.7	100.0					97.8	76.1	32.2	75.1
65	36.3	43.8	77.9	99.0						99.7	89.6	51.3	83.3
70	54.0	63.8	90.3	99.9						100.0	97.7	70.5	89.8
75	73.3	80.9	96.8	100.0							99.7	86.1	94.8
80	89.0	93.2	98.9								100.0	94.2	98.0
85	95.6	97.6	99.9									99.3	99.4
90	98.5	99.4	100.0									100.0	99.8
95	99.7	99.9											100.0
100	100.0	100.0											100.0
105													
110													
115													
120													
125													
130													
135													
140													
145													
150													
155													
160													
165													
170													
175													
180													
185													
190													
195													
200													
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270													
275													
280													
285													
290													
295													
300													
MEAN	41.4	44.1	54.2	66.1	74.5	82.1	85.7	84.9	78.5	67.4	57.1	45.4	65.1
S D	1.540	1.128	1.766	1.226	8.767	7.100	5.569	5.554	7.785	8.667	9.902	10.381	18.180
TOTAL OBS	711	676	743	719	742	690	713	713	690	713	690	711	8511

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

STATION 93728 DAVISON AAF/FT BELVOIR VA

57-82

YEARS

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75						1.0	2.0	1.3	.1				.4
70			.1	.1	.4	11.6	28.9	27.2	6.8	.3			6.3
65			.3	.4	6.1	35.9	63.4	60.3	25.8	2.4	.6		16.2
60		.1	.8	3.1	20.4	59.3	85.4	81.1	44.6	7.4	2.2		25.3
55	.1		1.7	10.4	41.2	79.9	96.8	93.1	66.5	16.8	5.1	.6	34.3
50	.3	.6	4.4	23.8	64.3	93.2	100.0	99.3	85.1	33.4	10.9	1.3	43.0
45	.7	1.9	12.2	40.5	81.0	98.4		100.0	94.1	48.7	20.1	3.7	50.1
40	5.5	6.7	25.2	61.9	93.0	99.9			98.8	68.2	31.9	10.3	52.5
35	13.2	16.6	42.7	79.4	98.8	100.0			100.0	86.0	50.3	22.4	67.6
30	18.7	22.8	52.5	86.4	99.3					90.5	59.0	29.3	71.7
25	30.0	32.7	68.4	94.6	99.9					96.6	75.1	41.5	79.4
20	50.8	54.7	86.7	99.4	100.0					99.7	92.3	65.5	87.6
15	69.2	76.0	95.2	100.0						100.0	98.8	80.3	93.4
10	82.0	86.8	98.3								100.0	91.1	96.6
5	90.6	94.8	99.2									97.7	98.5
0	95.8	97.8	99.7									99.6	99.4
-5	98.2	99.9	99.9									99.9	99.8
-10	99.6	100.0	100.0									100.0	100.0
-15	100.0												100.0
MEAN	23.8	25.4	33.7	42.6	52.2	60.9	65.8	65.1	58.1	45.0	36.3	27.7	44.7
S.D.	10.206	9.551	9.176	8.851	8.217	7.113	5.403	5.962	8.182	9.516	9.643	9.362	17.117
TOTAL OBS	711	676	743	719	742	690	713	713	690	713	690	711	8511

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/HAC

93728 JAVISON AAF/FI BELVOIR VA

57-80

YEARS

## DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
85						.7	1.5	.6					.3
80					.3	10.6	25.0	21.9	5.2				5.2
75			.3	1.0	6.9	37.8	63.5	61.2	23.8	1.0	.1		16.2
70			.7	5.7	22.9	63.8	91.0	85.1	46.8	4.8	.9		26.7
65		.1	1.9	15.0	46.4	86.2	99.4	98.2	70.9	17.1	2.9	.3	36.5
60	.3	.6	6.1	30.2	71.6	97.7	100.0	100.0	87.5	35.8	8.4	1.3	44.9
55	1.0	3.0	14.3	46.7	87.9	99.7			98.1	57.8	20.0	2.8	52.7
50	3.9	7.0	25.4	62.3	97.6	100.0			99.7	78.8	37.2	8.6	60.7
45	10.5	15.1	46.8	86.9	99.7				100.0	93.4	58.0	19.7	69.3
40	22.2	30.9	68.6	97.8	100.0					96.9	77.5	35.9	77.8
35	45.1	53.7	87.1	99.7						100.0	93.5	60.5	86.5
30	65.5	72.0	95.4	100.0							99.1	78.9	92.7
25	81.6	87.3	97.8								99.9	93.9	96.5
20	91.8	95.4	99.6								100.0	97.3	98.7
15	96.3	98.8	100.0									99.5	99.6
10	99.2	99.9										100.0	99.9
5	99.9	100.0											100.0
0	100.0												100.0
MEAN	32.8	35.1	44.2	54.6	63.6	71.8	76.0	75.3	68.6	56.4	47.3	36.8	55.2
S.D.	9.461	9.416	9.396	8.829	7.373	6.254	4.603	4.986	7.123	8.024	8.792	9.085	17.164
TOTAL OBS	711	676	743	719	742	690	713	713	690	713	690	711	8511

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

# (AT LEAST ONE DAY LESS THAN 24 OBS)

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTH value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTH.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet:

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/1AC

# EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

STATION NAME  
DAVISON AAF/FT BELVOIR VA

57-8

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB	MAR	APR	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57		* 22	* 21	* 28	38	53	52	51	36	27	16	11	
58		4	23	29	39	47	59	53	41	33	17	2	2
59	-3	7	17	31	38	46	56	52	40	31	20	17	-3
60	14	10	-2	25	35	47	54	55	46	27	21	-1	-2
61	-10	4	17	24	35	47	53	54	39	29	23	11	-10
62		9	11	24	37	53	53	53	26	24	25	3	6
63	-1	1	21	29	32	48	52	50	35	31	24	6	-1
64	-1	13	21	23	43	43	55	43	41	27	16	17	-3
65		2	14	24	44	46	53	48	44	24	21	16	0
66	0	1	13	26	29	42	53	52	41	25	22	9	1
67	6	0	11	26	32	41	51	57	42	34	21	13	0
68	-1	3	19	26	36	52	58	51	45	29	23	8	-1
69	8	14	19	20	36	53	61	53	44	27	19	16	8
70	-1	12	19	29	32	51	55	58	42	37	16	15	-5
71	9	4	23	30	40	56	54	51	45	39	23	10	4
72	3	13	19	29	38	47	56	52	47	28	21	15	3
73	7	9	24	31	39	58	56	55	47	32	21*	8	* 8
74	* 16	10	21	25	33	49	54	57	39	26	16*	21	* 13
75	* 11	13	17	27	44	51	55	58	44	31	27	19	* 11
76	8	13	20	26	37	46	54	47	42	26	15	13	8
77	-2	8	23	28	44	36	52	48	48	27	22	9	-7
78	0	12	11	33	38	47	52	57	42	34	31	19	9
79	1	-2	22	33	37	47	50	51	45	30	24	16	-2
80	2	13	12	32	39								
MEAN	4.7	7.6	17.4	27.6	37.1	47.7	54.3	52.5	42.3	29.5	21.7	12.4	.6
S.D.	6.960	4.989	5.844	3.300	4.111	4.533	2.721	3.591	3.471	3.999	3.879	5.652	4.356
TOTAL OBS.	713	676	743	719	742	640	713	713	690	713	590	711	2511

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0 88-5 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

50-77.73-20  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.5	.9	.1								7.5	4.4
NNE	.3	.3	.1									.8	4.7
NE	.2	.3	.3									.9	5.6
ENE	.4	.1	.1									.7	4.0
E	1.0	.1										1.1	2.1
ESE	.3											.3	1.7
SE	.7	.3										1.0	2.9
SSE	1.0	.5	.3	.2								2.1	4.9
S	1.8	1.3	.1	.1								3.4	3.7
SSW	.3	.9	.3									1.5	4.9
SW	.1	.5	.3									1.0	5.8
WSW	.1	.1										.2	3.0
W	.5	.5	.5	.1								1.7	5.5
WNW	1.2	1.6	1.4	1.1	.2	.1						3.6	8.0
NW	2.8	2.7	5.6	2.1	.4	.1						13.8	7.9
NNW	1.5	2.9	3.5	1.2	.2							9.3	7.1
VARBL													
CALM												49.7	
	15.0	15.8	13.5	4.9	.2	.2						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 923

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVIDSON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	3.2	1.7	.3								7.4	5.3
NNE	.9	.3	.4									1.6	4.7
NE	.1	.6	.5									1.3	5.8
ENE	.3	.1										.4	2.5
E	.6	.1										.8	2.4
ESE	.3	.1	.1									.5	4.0
SE	.4											.4	1.8
SSE	.8	.5	.1									1.4	3.8
S	1.1	1.2	.4									2.7	4.3
SSW	.5	.3	.1	.1								1.2	4.3
SW	1.2	.3	.2	.1								1.8	3.8
WSW	.4	.1	.2									.8	4.9
W	.5	.3	.4	.2								1.7	5.5
WNW	1.0	1.1	1.9	.8	.1							4.9	7.8
NW	3.1	2.3	4.2	2.3	.8	.1						12.8	8.0
NNW	2.5	3.0	2.5	1.2	.1							9.3	6.3
VARBL													
CALM												51.0	
	16.2	13.7	13.0	5.0	1.0	.1						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

924

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.6	.5	.4								6.3	4.6
NNE	1.3	.4	.8	.1								2.6	4.9
NE	.5	.2	.1	.1								1.3	4.8
ENE	.3											.3	2.3
E	.6	.2										.9	2.6
ESE	.5		.1									.6	2.8
SE	.5	.2	.1									.9	3.6
SSE	.5	.4	.1									1.1	3.5
S	1.4	1.4	.1									2.9	3.8
SSW	.4	1.1	.3	.1								1.9	5.8
SW	.1	.4	.3	.2								1.1	7.3
WSW	.1	.3										.4	4.5
W	1.7	1.7	.1	.1	.1							2.3	4.8
WNW	1.2	1.3	1.4	.4	.1							4.4	6.7
NW	2.1	2.5	3.7	2.6	1.7	.1						11.9	8.7
NNW	1.7	3.2	2.6	1.2	.1							8.9	6.7
VARBL													
CALM												52.5	
	15.2	15.4	10.3	5.3	1.3	.1						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

924

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 728 STATION NAME DAVISON AAF/FT BELVOIR VA YEARS 69-70, 73-80 MONTH JAN  
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	3.6	1.5	.5			.1					7.8	5.7
NNE	.2	1.5	.3									2.7	4.5
NE	.8	.6	.1	.2								1.7	4.8
ENE	.6	.3	.1									1.1	3.4
E	1.3	.9	.2									2.4	3.7
ESE	1.3	.4	.1									1.8	2.8
SE	.3	.2	.3									.9	5.5
SSE	2.1	1.2	.2									3.5	3.3
S	1.9	2.6	.8	.1								5.4	4.8
SSW	1.2	1.0	1.2	.1								3.5	5.5
SW	1.0	1.1	.1									2.2	3.6
WSW	.5	1.1	.4	.2	.2							2.5	7.1
W	1.7	1.4	.6	.3								4.1	5.2
WNW	.9	1.6	1.3	1.2	.5	.2						5.7	9.0
NW	1.1	2.3	4.5	3.7	1.2	.2						13.0	10.3
NNW	1.5	2.1	4.9	2.1	.1	.1	.1					10.9	8.3
VARBL													
CALM												30.8	
	19.3	21.9	16.8	8.4	2.1	.5	.2					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.7	1.8	.5	.2	.1						7.3	6.5
NNE	1.1	1.4	.4									2.9	4.3
NE	1.0	.5	.3									1.8	3.9
ENE	.9	.4										1.3	3.0
E	1.4	1.0	.1									2.5	3.3
ESE	.6	.2	.1									1.0	3.6
SE	1.0	1.7	.4									3.1	4.6
SSE	2.3	2.4	.5									5.2	3.9
S	3.9	2.9	1.8									8.7	4.4
SSW	1.2	2.7	1.5									5.4	5.3
SW	.5	1.1	1.0	.1	.1							2.8	6.4
WSW	.5	.9	.5	.2	.1							2.3	6.5
W	.8	2.5	2.2	1.0	.2	.2						6.8	8.1
WNW	1.3	1.0	1.8	2.2	.4	.1						6.8	9.2
NW	1.1	2.7	5.4	4.8	.6	.1						14.7	9.7
NNW	1.8	3.5	4.6	2.8	.3	.1	.1					13.4	8.2
VARBL													
CALM												14.0	
	21.2	27.6	22.8	11.6	1.9	.8	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

924

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728 STATION DAVIDSON AAF/FT BELVOIR VA 69-70, 73-80 YEARS  
ALL WEATHER CLASS  
CONDITION  
JAN MONTH  
1500-1700 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.6	1.4	.6								7.0	5.4
NNE	1.0	1.0										1.9	3.5
NE	1.0	.6	.2									1.8	3.5
ENE	1.3	.2	.6									2.2	4.2
E	.8	.4	.2									1.4	4.0
ESE	1.2	.8	.1									2.1	3.3
SE	1.5	1.8	.2									3.6	4.0
SSE	2.2	1.6	.4									4.2	3.7
S	2.9	3.5	1.2									7.6	4.2
SSW	1.5	2.5	1.2	.1								5.3	5.3
SW	.4	1.3	.1									1.8	4.8
WSW	.5	.9	.8	.1	.1							2.5	6.2
W	1.2	1.9	1.3	.5								5.0	6.3
WNW	.9	.8	2.5	2.3	.2	.1						6.7	9.4
NW	1.0	3.6	6.1	4.3	.6	.1						15.7	9.3
NNW	1.3	2.7	5.2	1.8	.5	.1						11.7	8.5
VARBL													
CALM												19.6	
	21.1	26.2	21.5	9.8	1.5	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 925

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 97728 STATION NAME DAVIDSON AAF/FT BELVOIR VA YEARS 69-70, 73-80  
CLASS ALL WEATHER  
CONDITION  
MONTH JAN  
HOURS (L.S.T.) 1800-2500

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.2	.6	.1								4.2	4.3
NNE	1.7	.4	.2									1.6	3.7
NE	.2	.3	.1									.6	5.0
ENE	.2	.3	.1									.5	5.6
E	.9	.4										1.3	2.7
ESE	.6	1.0	.2									1.8	4.1
SE	1.2	.1		.1								1.4	2.8
SSE	1.4	.5	.1									2.1	2.9
S	1.8	.5	.5									2.9	3.7
SSW	1.5	.8	.6	.1								3.0	4.5
SW	.4	.2		.2								.9	6.0
WSW	.5	.4	.3	.1								1.4	5.5
W	.8	.3	.4	.3								1.8	6.0
WNW	.4	1.7	2.2	.5	.6							5.5	8.8
NW	2.2	2.9	4.4	3.2		.1						12.9	8.2
NNW	1.8	4.7	2.9	1.3	.1							10.2	6.7
VARBL													
CALM												47.7	
	17.2	15.3	12.9	6.1	.8	.1						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 924



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

03728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.1	.5	.1								4.5	4.5
NNE	.6	1.2	.3									2.2	4.9
NE	.4	.2	.1									.8	3.6
ENE	.5	.2	.1									.9	3.6
E	.8											.8	2.0
ESE	.4	.5										1.0	3.7
SE	1.1	.3		.1								1.5	3.3
SSE	1.4	.6	.1	.2								2.4	3.9
S	1.3	1.5	.4									3.2	4.0
SSW	1.0	.6	.2									1.8	3.5
SW	.8	.1	.1									1.0	3.0
WSW	.5	.2	.3	.1								1.2	5.2
W	.6	.8	.2	.1	.1							1.8	5.6
WNW	1.2	.8	1.2	1.3								4.4	7.6
NW	1.9	3.4	4.5	2.9	.9	.4						14.1	8.9
NNW	1.7	3.1	3.5	1.5	.3							10.2	7.4
VARBL													
CALM												48.3	
	16.2	15.7	11.7	6.4	1.3	.4						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

924

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.7	1.1	.4	.3	.0	.0					6.4	5.2
NNE	.9	.8	.3	.0								2.3	4.4
NE	.5	.4	.2	.0								1.2	4.5
ENE	.6	.2	.1									.9	3.7
E	.9	.4	.1									1.4	3.1
ESE	.7	.4	.1									1.1	3.4
SE	.8	.6	.1	.0								1.6	3.8
SSE	1.4	1.0	.2	.1								2.7	3.7
S	2.3	1.9	.7	.0								4.5	4.2
SSW	1.0	1.2	.7	.1								3.2	5.0
SW	.6	.6	.3	.1	.0							1.6	5.0
WSW	.4	.5	.3	.1	.0	.0						1.4	6.0
W	.9	1.1	.7	.3	.1	.0						3.2	6.3
WNW	1.1	1.2	1.7	1.2	.3	.1						5.5	8.4
NW	1.9	2.8	4.8	3.2	.7	.2						13.6	8.9
NNW	1.8	3.1	3.7	1.6	.2	.0	.0					10.5	7.5
VARBL													
CALM												39.2	
	17.7	18.9	15.3	7.2	1.3	.3	.0					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 7392

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728 STATION DAVIDSON AAF/FT BELVOIR VA 69-70.73-80 YEARS FEB MONTH  
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.7	1.5	.2								5.6	5.3
NNE	.6	.6	.2									1.4	4.5
NE	.8	.4	.1									1.3	3.8
ENE	.2	.6										.8	4.0
E	.8	.4										1.2	2.4
ESE	.4	.2	.1									.7	4.0
SE	.2	.2	.1									.6	4.0
SSE	.6	.9										1.5	3.6
S	.4	.8	.2									1.4	4.6
SSW	.8	.5	.6									1.9	5.1
SW	.6	.6	.1									1.3	3.8
WSW	.1	.5	.4	.1								1.1	6.4
W	.4	.8	1.2	.2								2.6	7.3
WNW	1.2	.8	1.4	1.2	.1	.2						5.0	8.4
NW	.7	2.8	2.6	2.1	.6	.5						9.3	9.5
NNW	2.2	3.4	3.8	1.4	.4							11.2	7.1
VARBL													
CALM												53.1	
	12.2	15.2	12.4	5.3	1.1	.7						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728 STATION DAVISON AAF/FT BELVOIR VA STATION NAME 69-70, 73-80 YEARS FEB MONTH 0370-0500 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.7	1.8	.2								6.3	5.2
NNE	1.2	.7	.1									2.0	3.2
NE	1.1	.7	.1									1.9	3.7
ENE	.4	.4										.7	3.5
E	.2	.1										.4	3.7
ESE	.2	.2										.5	4.7
SE	.2	.1										.4	2.7
SSE	.8	.7	.2									1.8	4.1
S	.6	.6										1.2	3.4
SSW	.7	.4										1.1	3.3
SW	.5	.8	.6	.1								2.0	5.8
WSW	.2	.5	.2	.1								1.1	6.2
W	.5	.6	.2	.2								1.5	6.3
WNW	.8	.7	.6	1.9	.2	.2						4.5	10.3
NW	1.3	3.2	4.3	2.7	.3	.5						12.1	8.9
NNW	2.4	3.1	4.3	.8			.1					13.6	6.9
VARBL													
CALM												52.1	
	13.4	14.8	12.4	5.4	1.1	.7	.1					100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 43728 STATION NAME DAVISON AAF/FT BELVOIR VA YEARS 69-70, 73-80 MONTH FEB  
CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.5	2.1	1.9	.4								5.8	5.9
NNE	.8	.7	.1									1.7	3.7
NE	1.3	1.2	.1									2.6	3.5
ENE	1.3	.2	.4									1.9	3.5
E	.6	.4										.9	2.8
ESE	.6	.2	.1	.1								1.1	4.8
SE	.2	.4	.1	.1								.8	5.6
SSE	.6	.6	.2									1.4	5.0
S	1.1	.7										1.8	3.1
SSW	.7	.5										1.2	3.0
SW	.4	.9	.2									1.5	4.9
WSW	.5	.6	.4									1.4	4.5
W	.6	.4	.4	.4								1.7	6.3
WNW	1.4	1.1	1.1	1.7	.2							5.4	8.2
NW	2.2	3.2	3.7	2.2	.9	.4						12.5	8.6
NNW	1.9	3.2	4.3	.6		.1						10.0	6.7
VARBL													
CAVA												48.2	
	15.7	16.2	12.9	5.4	1.1	.5						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

03728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-80  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.4	4.3	.5								8.3	6.8
NNE	.6	1.4	.4									2.4	4.6
NE	1.5	.8	.5	.1								3.0	4.4
ENE	.7	1.1	.2									2.0	4.1
E	1.5	1.3	.5									3.3	3.9
ESE	.9	1.1										2.0	3.6
SE	1.2	.9	.5	.1		.1						2.8	5.4
SSE	.9	.9	.5	.1								2.5	4.9
S	1.1	2.1	1.8	.1								5.1	5.7
SSW	.7	2.1	1.4	.6								4.8	6.6
SW	.7	1.2	.7	.2								2.8	5.8
WSW	.7	.8	.5	.2								2.2	5.8
W	.9	.7	.9	.5	.2							3.3	7.4
WNW	.5	1.2	.7	1.8	.5	.1						4.8	10.4
NW	.5	2.2	6.3	4.1	1.9	.7	.2					16.0	11.4
NNW	.9	3.4	5.6	3.9	.8							14.7	9.3
VARBL													
CALM												20.0	
	14.8	23.8	24.6	12.3	3.4	.9	.2					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 846

3  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

92728 STATION DAVIDSON AAF/FT BELVOIR VA 69-70, 73-80 YEARS  
CLASS ALL WEATHER  
CONDITION  
MONTH FEB  
HOURS (L.S.T.) 1200-1400

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.8	2.8	.1								6.0	6.4
NNE	.6	1.9	.6									3.3	5.0
NE	1.1	1.1	.1									2.2	3.8
ENE	1.3	1.4										2.7	3.6
E	1.5	1.5	.1	.1								3.3	4.0
ESE	1.3	1.3	.4									3.0	4.3
SE	1.1	1.4	.4									2.6	4.1
SSE	1.0	2.2	.7	.1								5.0	4.8
S	1.5	2.7	2.1	.8								7.2	6.6
SSW	.9	1.4	3.8	.4								6.5	7.1
SW	.5	1.3	1.5	.4								3.7	7.0
WSW	.9	1.1	.6	.2								2.8	5.3
W	.6	.5	2.1	1.4	.2							5.6	8.9
WNW	.6	1.5	2.7	2.5	.8	.1						8.3	10.3
NW	.7	2.2	5.7	5.8	2.8	.9	.1					18.3	12.2
NNW	.9	3.0	4.7	2.8	1.1		.1					12.6	9.4
VARBL													
CALM												6.5	
	16.8	26.4	29.3	14.7	5.0	1.1	.2					100.3	7.5

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7728 STATION NAME LAVISON AAF/FT BELVOIR VA YEARS 69-70, 73-80  
CLASS ALL WEATHER MONTH FEB  
HOURS (L.S.T.) 1500-1700  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.6	3.3	.7								8.5	6.5
NNE	.3	.8	1.1									2.7	5.2
NE	1.4	.9	.1									2.5	3.4
ENE	1.1	.8	.1									2.0	3.9
E	1.4	1.5	.2									3.2	3.9
ESE	.4	.7	.1									1.2	4.2
SE	1.3	1.1	.8									3.2	4.3
SSE	1.3	3.1	.8	.1								5.8	4.6
S	2.6	3.8	1.3	.1								7.8	4.8
SSW	1.5	2.6	3.1	.2								7.4	6.0
SW	.7	.8	.6	.6								2.7	6.7
WSW	.7	.6	.1	.2								1.7	5.4
W	.6	.9	1.3	1.2								4.0	8.3
WNW	.2	1.5	2.8	2.2	.8	.5						8.2	11.0
NW	1.1	2.5	5.9	5.2	1.2	.6	.2					17.4	11.3
NNW	1.3	3.3	4.5	3.3	.5							12.9	8.6
VARBL													
CALM												8.9	
	18.8	27.7	26.2	13.9	3.2	1.1	.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 846



3  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-80  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	1.2	.1	.1							5.4	4.9
NNE	.8	2.0	.4									3.2	4.4
NE	.6	.2										.8	2.7
ENE	.7	.6										1.3	3.6
E	.8	.8	.1									1.9	3.4
ESE	1.2	.4	.1									1.7	3.1
SE	1.3	.4										1.7	2.9
SSE	1.9	1.1	.2									3.2	3.5
S	2.2	.9	.5	.1								3.8	3.8
SSW	1.1	1.7	.4	.4								3.4	5.3
SW	.1	.6	.6	.5	.1							1.9	7.9
WSW	.2	.1										.4	3.0
W	.5	.4	.2	.5								1.5	7.2
WNW	1.3	.6	2.0	1.3	.1							5.3	8.3
NW	2.2	3.3	4.8	2.7	1.4	.5						15.0	9.2
NNW	2.2	3.4	3.7	1.4	.1							10.9	6.9
VARBL													
CALM												38.8	
	19.3	18.4	14.2	7.0	1.9	.5						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

9728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-80  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.1	1.1	.2								6.1	5.2
NNE	1.1	.6										1.7	3.1
NE	.6	.4	.1									1.1	3.7
ENE	.7	.7	.1									1.5	3.5
E	.4	.4	.1									.8	4.0
ESE	.4	.2										.6	3.2
SE	1.1	.2	.2									1.5	3.6
SSE	1.2	.7	.1									2.0	3.3
S	1.1	.9	.5									2.5	4.4
SSW	.8	.2	.5	.1								1.7	4.8
SW	.8	.4	.1	.5								1.8	5.6
WSW	.1	.2										.4	3.3
W	.7	.1	.6	.6	.1							2.1	8.4
WNW	1.1	1.2	1.7	1.3	.2	.1						5.6	8.5
NW	1.5	2.1	2.7	3.4	.8							10.6	9.1
NNW	1.7	2.8	4.5	1.7	.7	.2						11.1	8.3
VARBL													
CALM												48.9	
	14.9	14.3	11.8	7.8	1.9	.4						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 846

3  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728 STATION DAVISON AAF/FT BELVOIR VA 69-70, 73-80 YEARS FEB MONTH  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.2	2.2	.3	.							6.5	5.9
NNE	.2	1.1	.4									2.3	4.4
NE	1.1	.7	.1	.0								1.9	3.7
ENE	.9	.7	.1									1.6	3.7
E	.9	.8	.1	.0								1.9	3.7
ESE	.7	.5	.1	.0								1.3	3.9
SE	.8	.6	.3	.7		.0						1.7	4.3
SSE	1.2	1.3	.4	.0								2.9	4.3
S	1.3	1.6	.8	.1								3.8	5.0
SSW	.9	1.2	1.2	.2								3.5	5.9
SW	.5	.8	.6	.3	.0							2.2	6.2
WSW	.4	.5	.3	.1								1.4	5.4
W	.6	.5	1.0	.6	.1							2.8	7.8
WNW	.2	1.1	1.6	1.7	.4	.2						5.9	9.5
NW	1.3	2.7	4.5	3.5	1.4	.5	.1					13.9	10.2
NNW	1.7	3.2	4.3	2.0	.4	.0	.0					11.8	8.0
VARBL													
CALM												34.6	
	15.7	19.6	18.0	9.0	2.3	.7	.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 6768

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728 STATION DAVISON AAF/FT BELVOIR VA 69-70.73-20 YEARS MAP  
MONTH 0000-0000  
HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.2	.8	.3								5.2	4.9
NNE	.5	.6	.3									1.5	4.3
NE	.4	.6	.1									1.2	4.3
ENE	.1		.1									.2	5.0
E	1.4	.4	.1									1.9	3.2
ESE	1.3	1.2										2.5	3.3
SE	1.2	1.1	.2									2.5	3.6
SSE	1.1	1.3	.8	.3								3.4	5.8
S	2.0	3.3	.8									6.1	4.4
SSW	.9	1.1	.5									2.5	4.9
SW	.8	.8	.1									1.6	3.7
WSW	.3	.2										.5	3.0
W	.5	.6	.4	.1								1.8	5.1
WNW	.3	2.0	.8	1.0	.0	.2						5.2	10.2
NW	1.7	2.5	3.3	2.8	1.0							11.3	8.9
NNW	1.0	1.6	2.8	.8								6.1	7.4
VARBL													
CALM												46.5	
	15.6	19.6	11.1	5.3	1.8	.2						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-80  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	1.7	.3								5.8	5.7
NNE	.9	.6	.2									1.7	3.9
NE	.8	.4										1.2	3.1
ENE	.5	1.3	.1									1.6	4.0
E	1.4	.5										1.9	2.9
ESE	.9	.8	.1									1.7	3.2
SE	1.0	.8	.4	.1								2.3	4.7
SSE	1.4	1.1	.4									2.9	4.0
S	1.9	1.9	.9									4.7	4.3
SSW	1.2	1.5	.9									3.5	4.8
SW	.2	.6	.2									1.1	4.8
WSW	.2		.1									.3	4.0
W	1.7	1.1	.2	.3	.3							2.9	6.6
WNW	1.1	.5	.8	1.1	.2							3.7	8.0
NW	1.8	2.4	4.1	2.3	.5	.1						11.2	8.4
NNW	1.3	2.2	2.7	.8	.2							7.1	7.2
VARBL													
CALM												46.3	
	17.4	17.2	12.8	4.8	1.3	.1						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

91728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-80  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.1	.8	.1								5.6	4.8
NNE	.8	.5	.4									1.7	4.5
NE	.8	1.1	.3									2.0	4.3
ENE	1.7	.8	.1									2.6	3.2
E	1.4	1.2	.1									2.7	3.3
ESE	.2	.8	.3									1.3	5.4
SE	1.0	.4	.3	.2								1.9	5.3
SSE	1.0	1.0	.4	.1								2.5	4.7
S	1.1	1.5	.4									3.0	4.4
SSW	1.3	1.2	1.6	.1								4.2	5.8
SW	.6	.5	.2									1.4	4.0
WSW	.9	.2										1.1	2.6
W	.8	.8	.5		.1							2.2	5.6
WNW	.8	1.1	1.3	1.7	.5							5.4	9.6
NW	1.5	2.2	3.1	2.3	.6							9.6	8.6
NNW	1.2	2.2	3.5	1.1	.2							8.2	7.6
VARBL													
CALM												44.7	
	16.5	18.3	13.4	5.6	1.5							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-72,73-80  
YEARS

4AD  
MONTH

ALL WEATHER  
CLASS

3900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	5.8	2.3	.4								7.5	6.3
NNE	.8	1.3	.8									2.8	5.0
NE	1.1	1.2	.3	.1								2.7	4.3
ENE	1.6	2.0	.6									4.3	4.4
E	1.9	1.5	.3									3.8	3.5
ESE	1.1	.5	.2									1.8	3.6
SE	1.7	1.4	.3	.2								2.9	5.7
SSE	1.5	2.5	1.7	.4								5.4	5.2
S	2.7	4.3	1.7	.5								9.2	3.3
SSW	1.2	2.0	2.8	.1	.1							6.2	6.4
SW	.8	1.7	.9	.2								2.8	5.7
WSW	.4	.9	.3	.3								1.9	6.6
W	.5	1.1	1.2	.8		.1						3.8	7.9
WNW	1.1	1.7	1.9	1.9	1.1	.2						7.2	10.3
NW	.5	1.8	4.8	4.7	2.7	.2						14.3	11.4
NNW	1.7	2.7	3.5	3.7	.3							11.9	8.4
VARBL													
CALM												11.4	
	19.1	28.9	23.0	13.4	3.5	.5						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

27728  
STATION

NAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 77-80  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.3	3.4	1.7	.2							7.5	7.9
NNE	1.2	1.3	.3									2.8	4.2
NE	1.7	1.4	.4									3.5	3.8
ENE	.6	1.7	.1	.1								1.8	4.5
E	1.7	2.2	.5									4.0	4.6
ESE	.9	1.4	.5									2.8	4.5
SE	1.2	1.0	.6	.2								4.0	5.4
SSE	1.2	3.1	1.9	.5								6.7	6.1
S	2.2	4.7	2.7	.9								9.7	5.8
SSW	.3	2.6	2.7	1.0								6.6	7.4
SW	.9	1.5	1.5	.4								4.3	6.6
WSW	.7	1.3	1.7	.3	.2							3.1	7.7
W	.5	1.5	2.2	1.5	.4	.1						6.2	9.3
WNW	.5	1.1	1.3	3.1	1.7	.2						8.0	12.1
NW	.3	2.5	4.7	4.8	1.2	.4	.1					13.3	11.2
NNW	.8	2.8	2.9	2.4	.4							9.2	9.0
VARBL													
CALM												6.5	
	14.5	31.6	26.1	16.2	4.2	.8	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0778 CAVISON AAF/FT BELVOIR VA STATION NAME 69-70.73-PJ YEARS VAR  
MONTH 1500-1700  
HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	3.7	2.9	1.1	.1							8.6	6.9
NNE	.2	1.2	.3									2.3	4.2
NE	.5	1.2	.2									1.9	4.6
ENE	.2	.9	.2									1.9	3.9
E	1.7	2.2	.9									4.0	4.9
ESE	1.5	1.3	.5									3.3	4.4
SE	1.9	2.7	1.2	.3								6.1	5.3
SSE	2.3	2.9	2.2	.3								7.6	5.3
S	2.2	3.2	4.1	.3	.1							9.8	6.2
SSW	.0	2.6	1.8	.5	.2							6.0	7.0
SW	.2	.6	.8	.3		.1						2.2	7.6
WSW	.5	1.7	.3									1.8	4.7
W	.5	1.9	1.7	.3	.1							4.6	7.2
WNW	1.1	1.3	1.6	2.7	1.5	.3						8.4	11.3
NW	.5	1.9	4.1	4.7	1.1	.4						12.7	11.1
NNW	1.2	2.0	3.9	3.0	.6							11.5	8.9
VARBL													
CALM												7.2	
	16.2	31.3	26.6	13.7	3.7	.9						102.0	6.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-83  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.7	1.3	.3								6.1	5.1
NNE	.8	.6	.4									1.8	4.4
NE	.6	.3										1.0	3.1
ENE	.5	.3										.9	3.1
E	1.7	.8	.2									2.9	3.3
ESE	2.2	1.1	1.7									4.2	4.3
SE	1.7	2.7	1.0	.1								4.1	5.2
SSE	2.3	2.6	1.0									5.9	4.3
S	3.0	2.7	1.1									7.6	3.8
SSW	1.1	1.1	.9	.1								3.4	4.8
SW	.2	.3	.1	.1		.1						1.5	5.3
WSW	.5	.3	.1									1.0	4.2
W	.5	.4	.2	.5								1.8	6.2
WNW	.9	1.3	.6	1.6	.2	.1						4.7	8.9
NW	1.7	2.9	4.7	7.8	1.0	.2						13.5	9.8
NNW	1.6	2.6	3.7	1.1	.2	.2						9.4	7.7
VARBL													
CALM												30.2	
	21.8	22.0	16.2	7.6	1.4	.6						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

27228 STATION DAVISON AAF/FT BELVOIR VA 69-70.73-60 YEARS MAR MONTH  
CLASS ALL WEATHER 2100-2300 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.4	1.2	.3								4.5	5.5
NNE	.9	.6	.2									1.7	3.6
NE	.3	.4										.8	3.9
ENE	.3	.3										.6	3.3
E	1.7	.5	.3									2.6	3.1
ESE	1.6	1.4	.2	.3								3.5	4.4
SE	1.3	1.7	.6	.3								4.0	5.1
SSE	1.2	1.6	.4	.2								4.1	4.5
S	1.6	3.7	1.1	.1								5.8	4.6
SSW	.6	.2	.4									1.9	4.8
SW	.6	.9	.1									1.6	3.7
WSW	.3	.6	.3	.1	.1							1.5	6.6
W	.6	.4	.1									1.2	3.8
WNW	.9	1.6	.9	.9	.5							4.7	8.1
NW	1.6	2.4	4.3	2.3	.2							10.8	8.7
NNW	1.5	2.9	3.3	.9	.3	.1						9.0	7
VARBL													
CALM												41.5	
	17.5	20.8	13.5	5.4	1.2	.1						100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
728

STATION NAME  
DAVISON AAF/FT BELVOIR VA

YEARS  
69-70, 73-80

MONTH  
MAR

CLASS  
ALL WEATHER

HOURS (L.S.T.)  
ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.5	2.6	1.8	.5								6.4	6.0
NNE	.5	.9	.4									2.0	4.3
NE	.8	.8	.2	.0								1.6	4.6
ENE	.9	.8	.2	.0								1.7	4.0
E	1.5	1.2	.3									3.0	3.8
ESE	1.2	1.0	.4	.0								2.6	4.2
SE	1.2	1.5	.6	.2								3.5	5.0
SSE	1.6	2.0	1.0	.2								4.8	5.1
S	2.2	3.0	1.6	.2	.0							7.0	5.0
SSW	1.1	1.6	1.5	.2	.0							4.3	6.1
SW	.6	.8	.5	.1		.0						2.1	5.5
WSW	.4	.6	.3	.1	.0							1.4	5.8
W	.7	1.0	.8	.4	.1	.0						3.1	7.2
WNW	.8	1.2	1.1	1.7	.8	.1						5.9	10.2
NW	1.1	2.3	4.0	3.5	.9	.2	.7					12.1	9.9
NNW	1.3	2.5	3.3	1.7	.3	.3						9.1	8.0
VARBL													
CALM												29.3	
	17.4	23.7	17.8	9.0	2.3	.4	.0					170.0	4.8

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93/29  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-82  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	1.2	.3								4.4	5.6
NNE	.7	.4	.1									1.2	3.7
NE	.4	.3	.3									1.1	5.0
ENE	.9	.7										1.6	3.1
E	1.3	.4	.2									2.0	3.2
ESE	.2	.7	.1									1.0	4.4
SE	1.7	.6	.2									2.4	3.3
SSE	.8	.6	.2									1.6	3.8
S	1.2	1.6	.8	.4								3.8	5.9
SSW	1.1	1.3	.7									3.1	4.5
SW	.7	.7	.2									1.8	4.1
WSW	.2	.1										.3	2.7
W	.8	1.4	.4	.1	.1							2.9	5.7
WNW	1.2	.8	.4	.4	.1							2.8	6.4
NW	1.2	1.1	2.2	.7	.3	.1						5.7	8.0
NNW	1.6	2.1	2.1	1.2								7.0	6.7
VARBL													
CALM												57.3	
	15.2	14.2	9.3	3.2	.6	.1						100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH  
USAFCTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728 STATION DAVISON AAF/FT RELVOIR VA 69-70,73-20 YEARS  
APR MONTH  
0300-0500 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.7	.8	.2								2.9	5.2
NNE	.2	.4	.3									1.0	5.3
NE	.7	.6	.1	.1								1.3	4.4
ENE	1.0	.9	.1									2.0	3.3
E	1.1	.8	.6									2.4	4.2
ESE	.3	.1										.4	2.5
SE	.9	.1	.1									1.0	3.0
SSE	1.0	.6										1.6	2.9
S	.8	.9	1.1	.3								3.1	6.1
SSW	1.3	1.2	.6	.2								3.3	5.0
SW	.2	.9	.2	.1								1.3	5.5
WSW	.8	.4										1.2	3.1
W	.7	.1	.6	.2								1.6	6.4
WNW	1.4	.7	.7	.4								3.2	5.5
NW	2.1	2.2	1.3	.4	.1	.2	.1					6.6	6.7
NNW	1.2	1.7	2.7	1.2	.1							6.9	7.3
VARBL													
CALM												60.1	
	14.2	12.1	9.0	3.3	.2	.2	.1					100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 47728 DAVISON AAF, FT BELVOIR VA TATION NAME 69-70, 73-80 YEARS APR MONTH  
CLASS ALL WEATHER 1600-0800 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	2.6	.1								6.8	5.5
NNE	.3	.4	.1									.7	5.0
NE	.7	.4	.2	.1								1.4	4.8
ENE	1.1	1.3	.3									2.8	4.2
E	1.6	1.6	.4									3.6	3.8
ESE	.6	.3										.9	2.9
SE	.9	.1										1.3	2.1
SSE	.8	1.0	.1									1.9	3.9
S	1.8	1.9	1.2									4.9	4.9
SSW	1.1	2.0	.6	.3								4.0	5.2
SW	.8	.7	.4	.2								2.1	5.5
WSW	.8	.3										1.1	2.6
W	1.1	1.2	.2	.4								3.0	5.3
WNW	1.2	1.1	1.0	.1								4.7	7.3
NW	1.8	1.0	2.0	.9	.3	.2						5.2	8.1
NNW	1.2	2.4	3.9	1.8	.2	.1	.1					9.8	8.5
VARBL													
CALM												45.2	
	17.4	18.0	13.1	5.1	.7	.3	.1					100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-73.73-83  
YEARS

APP  
MONTH

ALL WEATHER  
CLASS

1900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	3.7	3.0	1.0	.3	.1						10.1	7.1
NNE	1.3	1.2	.4									3.0	4.3
NE	.7	1.2	.7									2.6	5.0
ENE	1.1	.4	.2									1.7	3.5
E	3.2	2.3	.3									5.9	3.6
ESE	1.2	1.7	.3									2.6	3.9
SE	1.4	1.2	.4									3.1	4.3
SSE	1.1	2.0	.3	.1								3.4	4.6
S	2.4	3.7	2.2	.6								8.9	5.5
SSW	1.6	2.7	2.3	.4	.1							7.1	6.3
SW	.4	1.1	1.3	.3								3.2	6.7
WSW	.3	.7	1.3	.1								2.4	6.9
W	.9	2.1	1.8	.6	.2							5.6	6.8
WNW	.4	1.1	1.5	2.8	.4	.1						6.8	10.6
NW	.6	2.1	3.7	4.1	.3	.4	.1					11.3	10.5
NNW	.9	2.3	4.9	2.9	.6	.1						11.7	9.3
VARBL													
CALM												10.7	
	19.4	28.9	25.2	12.9	2.0	.8	.1					100.2	6.3

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATP WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 91728 STATION NAME DAVISON AAF/FT BELVOIR VA YEARS 69-70, 73-80 MONTH APR  
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.4	3.6	1.1	.1							9.7	7.0
NNE	1.2	1.2	.8	.2								3.4	5.2
NE	.4	.3	.6									1.3	5.6
ENE	.8	.4	.4									1.7	4.3
E	1.6	1.4	.3	.1								3.4	4.1
ESE	.8	2.6	.9	.1								4.3	5.3
SE	1.1	2.8	1.4	.4								5.8	5.8
SSE	1.3	2.4	1.0									4.8	4.7
S	1.4	4.0	3.4	1.2	.1							10.2	6.8
SSW	.7	1.8	2.1	1.3								5.9	7.6
SW	1.7	1.4	2.0	.9								5.3	7.5
WSW	.6	1.2	.8	.8								3.3	7.1
W	.8	1.7	1.4	.8	.1							4.8	7.2
WNW	.2	1.3	2.2	2.0	.4							6.2	13.3
NW	.8	1.9	3.0	4.3	2.1	.2	.3	.2				12.8	12.2
NNW	.7	2.3	4.0	4.0	.4	.1	.1					11.7	9.9
VARBL													
CALM												5.3	
	14.8	30.3	28.0	17.3	3.2	.3	.4	.2				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

91228  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-80  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	3.4	2.6	.8	.1							8.0	6.6
NNE	.9	1.6	.8	.2								3.3	5.4
NE	.9	.3	.1	.1								1.3	4.2
ENE	.6	.1	.1									.8	3.9
E	1.4	2.3	.7	.1								4.6	4.7
ESE	1.8	1.3	.9									4.0	4.5
SE	2.2	2.2	2.3	.9								7.7	6.1
SSE	.7	2.2	2.1	.6								5.6	6.8
S	.9	3.3	2.7	1.0								7.9	6.7
SSW	.9	2.4	2.8	.6								6.8	7.1
SW	.6	1.4	1.7	.1								3.8	6.9
WSW	1.1	.6	.8	.4	.1							3.0	6.6
W	.9	1.7	1.9	.9	.3							5.7	8.0
WNW	.4	.8	2.4	1.7	.7	.2	.1					6.3	11.0
NW	.4	1.9	2.3	5.3	1.6	.4						12.0	12.2
NNW	.9	2.6	3.7	3.3	.7	.1	.1					11.3	9.6
VARBL													
CALM												8.0	
	15.3	28.2	27.8	16.2	3.4	.3	.7					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 07728 DAVIDSON AAF/FT BELVOIR VA 69-70.73-93 YEARS APR MONTH  
CLASS ALL WEATHER 1800-2000 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.2	1.8	.3								6.3	5.4
NNE	.7	.7	.1	.2								1.7	5.2
NE	.6	.1	.1									.8	3.4
ENE	.3	.4	.4									1.2	4.9
E	1.3	2.7	.1									3.4	3.7
ESE	1.9	1.4	.2									3.6	3.5
SE	1.1	2.9	1.6	.4								6.0	5.9
SSE	1.3	2.9	1.2	.3								5.8	5.3
S	3.2	2.6	1.7	.1								7.4	4.0
SSW	1.1	1.8	.7	.1								3.7	5.1
SW	.3	.3	.2	.1								1.6	6.3
WSW	.3	.7	.3									1.3	5.3
W	.3	.4	1.7	.4	.1							2.8	7.1
WNW	.3	.9	1.6	.9	.2							4.2	8.6
NW	.6	2.7	3.3	2.6	1.4	.1						12.0	10.5
NNW	1.1	3.1	2.3	2.3	.2	.4						9.6	8.8
VARBL													
CALM												30.7	
	13.0	24.3	16.6	7.9	2.0	.6						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

53728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-75, 73-80  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	1.0	.3								3.8	5.6
NNE	.7	.3										1.0	3.2
NE	.6	.2										.8	2.9
ENE		.6	.2									1.0	5.2
E	1.1	.7	.1									1.8	3.4
ESE	1.6	1.0	.2									2.3	3.7
SE	1.7	1.3	1.0	.1								4.1	5.0
SSE	1.2	1.8	.7									3.7	4.5
S	2.1	1.8	.6	.1								4.6	3.8
SSW	.8	1.2	.6									2.6	4.7
SW	.1	.4	.4									1.0	6.3
WSW	.1	.9										1.0	4.2
W	.6	.8	.9	.3								2.6	6.4
WNW	.7	.3	1.1	.6								2.7	7.7
NW	.9	1.7	2.8	1.3	.3	.1						7.1	8.8
NNW	1.3	2.1	2.5	1.2	.2	.1						7.5	7.7
VARBL													
CALM												52.1	
	14.7	16.3	12.1	4.0	.6	.2						101.0	2.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DAVISON AAF/FT BELVOIR VA STATION NAME 69-70.77-80 YEARS APR  
MONTH ALL  
CLASS ALL WEATHER  
HOURS (L.S.T.) ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.3	2.1	.5	.1	.1						6.5	6.3
NNE	.7	.8	.3	.1								1.9	4.8
NE	.5	.4	.2	.7								1.3	4.6
ENE	.7	.5	.2									1.6	4.0
E	1.6	1.4	.3	.7								3.4	3.9
ESE	1.7	1.1	.3	.7								2.4	4.2
SE	1.4	1.4	.9	.2								3.9	5.2
SSE	1.7	1.7	.7	.1								3.5	5.0
S	1.8	2.5	1.6	.5	.7							6.3	5.6
SSW	1.1	1.3	1.3	.4	.7							4.6	6.0
SW	.5	.9	.9	.2								2.5	6.4
WSW	.5	.6	.4	.2	.7							1.7	5.7
W	.8	1.2	1.5	.5	.1							3.6	6.6
WNW	.8	.9	1.4	1.2	.2	.7	.6					4.6	9.0
NW	1.1	1.7	2.6	2.5	.8	.2	.1	.0				9.0	13.2
NNW	1.1	2.3	3.3	2.2	.3	.1	.7					9.4	8.7
VARBL													
CALM												33.7	
	16.2	21.6	17.6	6.7	1.6	.4	.2	.0				170.0	4.5

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93726  
STATION

CAVISON AAF/FT BELVOIR VA  
STATION NAME

69-73,73-83  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.2	1.4	.1									2.3	4.4
NNE	.6	.2										.9	3.1
NE	.3	.1										.4	2.8
ENE	.5	.2										.8	2.7
E	1.7	.3										1.3	3.1
ESE	.6	.1										.8	2.1
SE	1.6	1.1	.2									2.9	3.6
SSE	2.1	1.9	.6									4.6	4.7
S	2.4	2.6	.9									6.0	4.2
SSW	.6	.2	.3									1.2	4.3
SW	.4	.3										.8	3.4
WSW		.4										.4	5.3
W	.6	.1										.8	2.4
WNW	1.4	.6	.3	.1								2.5	4.3
NW	1.5	1.1	1.9		.2							4.7	6.2
NNW	1.3	1.6	.6	.1								3.7	4.7
VARBL													
CALM												66.1	
	16.0	12.4	5.1	.2	.2							100.0	1.4

TOTAL NUMBER OF OBSERVATIONS

931

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 778 DAVISON AAF/FT BELVOIR VA 69-70, 71-80 YEARS  
CLASS ALL WEATHER  
CONDITION \_\_\_\_\_  
MONTH MAY  
HOURS (L.S.T.) 0300-0500

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5	.5									1.9	4.6
NNE	.3	.2										.5	2.8
NE	.2	.4										1.3	2.8
ENE	.5	.4										1.3	3.2
E	.1	.1										.2	4.0
ESE	.5	.2	.1									.9	3.1
SE	1.1	.1										1.2	2.6
SSE	1.2	1.6	.4									3.2	4.3
S	1.7	1.6	.9	.1								4.3	4.5
SSW	.4	.9	.4									1.7	4.9
SW	.2	.8	.1									1.1	4.6
WSW	.4		.1									.5	3.4
W	.2	.2	.2									.6	4.8
WNW	1.7	.1	.6	.2								1.9	5.5
NW	1.1	.4	.6	.9								3.0	6.7
NNW	2.7	1.9	.9									4.8	4.6
VARBL													
CALM												71.7	
	12.6	9.6	4.9	1.2								100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93728 STATION NAME DAVISON AAF/FT BELVOIR VA YEARS 60-70, 73-80 MONTH MAY  
CLASS ALL WEATHER HOURS (L.S.T.) 1600-0800  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0	.3	.2								4.2	4.2
NNE	1.1	.3	.2									1.5	3.7
NE	.8	.6	.1									1.5	3.4
ENE	1.0	.9										2.7	3.0
E	1.1	.6	.1	.1								1.9	3.9
ESE	1.4	.6	.1									2.2	3.0
SE	.2	.8										1.0	3.8
SSE	1.4	1.2	.6									3.2	4.3
S	3.2	3.2	1.2	.1								7.7	4.4
SSW	.0	1.7	1.2									3.7	5.5
SW	.5	1.1	.5									2.2	5.1
WSW	.5	.5										1.1	3.7
W	1.1	.6	.2									1.8	3.6
WNW	1.1	1.1	.2	.5			.1					2.9	6.6
NW	2.6	1.4	1.5	1.6	.1							7.2	6.9
NNW	1.7	2.0	1.2	.8								5.7	5.8
VARBL													
CALM												49.6	
	20.9	18.5	7.5	3.3	.1		.1					100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 937



3  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 92728 JAVISON AAF/FT BELVOIR VA STATION NAME 69-73-80 YEARS MAY MONTH 1980-1, 80 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.9	1.2	.7								7.4	5.0
NNE	2.3	2.2	.2									4.6	3.6
NE	.9	1.7										1.8	3.0
NNE	.4	.6										1.1	3.6
E	2.5	1.1	.4									4.0	3.5
ESE	2.5	1.2	.4	.1								4.2	3.9
SE	1.4	2.2	.5									4.1	4.2
SSE	2.5	2.7	1.3	.1								6.1	4.6
S	3.7	6.1	3.9	.4								14.1	5.3
SSW	1.6	4.4	3.3	.4								9.8	6.0
SW	.9	1.7	1.2									3.8	5.5
WSW	1.1	1.7										2.0	3.4
W	1.2	.8	1.2	.2	.1							3.4	6.0
WNW	.5	1.8	1.6	.9	.1		.2					5.2	8.8
NW	.9	2.6	3.3	1.7	.5							9.0	8.4
NNW	1.7	2.6	3.3	1.2		.1						8.2	7.6
VARBL													
CALM												11.2	
	24.8	35.7	21.9	5.3	.8	.1	.2					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 63728 STATION NAME DAVISON AAF/FT BELVOIR JA YEARS 69-73-80 DAY 4 MONTH 12 HOURS (L.S.T.) 1200-1400

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.3	1.2	.5								6.6	5.3
NNE	1.9	.5	.2									2.6	3.4
NE	1.1	.5	.1									1.7	3.3
NNE	.5	.4	.2									1.2	3.9
E	1.9	1.2	.1									3.1	3.3
ENE	1.3	1.9	.2	.2								3.7	4.6
SE	1.9	2.7	2.8	.3								7.7	5.8
SSE	2.2	2.8	2.6	.1								7.6	5.3
S	1.9	5.4	6.7	.9								14.3	6.6
SSW	1.4	3.4	5.5	1.0	.1							11.4	7.0
SW	.5	1.7	1.7	.3								3.8	6.4
WSW	.5	1.7	.8									2.3	5.5
W	.5	1.3	1.1	.3								3.3	6.5
WNW	.6	1.3	2.5	1.0	.1	.2						5.7	3.9
NW	.2	2.1	4.7	1.8	.4		.1					9.5	.2
NNW	.9	1.7	3.5	1.5								7.6	.3
VARBL													
CALM												7.0	
	20.2	29.5	33.9	8.0	.6	.2	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97728 STATION DAVISON AAF/FT BELVOIR VA 69-70.73-80 MAY  
STATION NAME YEARS  
ALL WEATHER CLASS 1500-1700  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.7	1.9	.2								7.1	5.5
NNE	.9	.6	.1									1.5	3.8
NE	.2	.8										1.6	3.3
ENE	.3											.3	2.3
E	1.8	1.9	.8									4.5	4.2
ESE	1.1	1.5	.4	.1								3.7	4.5
SE	1.2	3.3	1.5	.3								6.3	5.6
SSE	1.8	5.2	3.2	.1								13.3	5.6
S	4.7	5.8	5.3	.9								15.9	5.9
SSW	1.7	3.8	3.4	.3								9.2	6.0
SW	.9	1.2	1.0	.1								3.1	5.4
WSW	1.3	1.5	.5									3.3	4.5
W	1.7	1.4	1.4	.2								4.9	6.0
WNW	1.3	1.5	1.8	.4	.1	.2						5.4	7.3
NW	.5	2.5	2.7	1.6	.5							8.1	9.0
NNW	1.2	2.3	4.0	1.7								8.4	7.2
VARBL													
CALM												8.2	
	21.8	35.6	28.1	5.3	.9	.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93726 STATION NAME DAVISON AAF/FT BELVOIR VA YEARS 69-70, 73-80  
CLASS ALL WEATHER MONTH MAY  
HOURS (L.S.T.) 1800-2000  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	.2	.1								3.7	4.4
NNE	.2											.9	2.3
NE	.5	.3										.4	3.3
ENE	.4	.4										.9	3.5
E	1.2	1.5	.4									3.1	4.2
ESE	2.2	1.2										3.3	3.2
SE	2.7	2.4	1.4	.1								5.9	4.8
SSE	2.2	4.4	2.6									9.2	5.1
S	5.6	3.6	1.1	.1								10.3	3.7
SSW	1.8	1.2	.1	.2								3.3	4.1
SW	.8	.5	.3									1.6	4.1
WSW	.5	.4										1.0	3.1
W	.8	.4	.3									1.5	4.3
WNW	.6	1.4	.8	.3								3.1	6.1
NW	.2	1.6	1.4	.3	.2							3.8	7.5
NNW	.5	2.5	1.5	.2								4.7	6.0
VARBL													
CALM												42.8	
	1.3	24.1	10.1	1.4	.2							107.0	2.7

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70.73-81  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	.5									1.9	4.9
NNE	.2	.2										.4	3.0
NE	.5											.5	1.8
ENE	.2	.1										.3	3.3
E	.9	1.1										1.9	3.8
ESE	1.1	1.4		.1								2.6	4.1
SE	1.1	1.3	.1	.1								2.6	4.2
SSE	2.9	2.4	1.2									6.5	4.3
S	3.7	2.7	1.1									6.1	4.1
SSW	.4	.9	.2									1.5	4.6
SW	.2	.5	.1									.9	4.3
WSW	.1	.1	.2									.4	5.5
W	.1	.2	.2									.5	6.0
WNW	.3	1.2	.4									1.7	4.9
NW	.5	1.4	.9	.3								3.1	6.2
NNW	1.2	1.0	.9		.1							3.1	5.6
VARBL													
CALM												65.7	
	13.5	14.2	5.9	.5	.1							100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

95728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-7-73-82  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.2	.9	.2								4.4	4.9
NNE	1.1	.5	.1									1.6	3.4
NE	.7	.5	.1									1.2	3.2
ENE	.6	.4	.2									1.0	3.3
E	1.7	1.7	.2	.0								2.5	3.8
ESE	1.1	1.0	.2	.1								2.6	3.8
SE	1.1	1.7	.6	.1								3.9	4.9
SSE	2.0	2.8	1.6	.0								6.3	4.9
S	3.2	3.8	2.6	.3								9.9	5.2
SSW	1.1	2.1	1.8	.2	.0							5.2	5.9
SW	.5	.9	.6	.1								2.1	5.3
WSW	.6	.6	.2									1.4	4.3
W	.7	.6	.6	.1	.2							2.0	5.5
WNW	.2	1.1	1.0	.4	.2	.1	.0					3.6	7.2
NW	1.1	1.6	2.1	1.0	.3		.0					6.1	7.8
NNW	1.2	2.0	2.0	.6	.1	.0						5.8	6.5
VARBL													
CALM												40.3	
	13.0	22.4	14.7	3.1	.4	.1	.1					100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

7435

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 03728 STATION NAME DAVISON AAF/FT BELVOIR VA YEARS 69-70, 73-79 MONTH JULY  
CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.2										.9	2.5
NNE	.1	.2										.3	3.3
NE	.1											.1	3.1
ENE	.4											.4	1.5
E	.8											.8	2.1
ESE	.1	.4										.6	3.8
SE	.2	.3										.6	3.4
SSE	2.8	2.2	.2									5.2	3.5
S	3.6	2.9	.3									6.8	3.5
SSW	1.2	.9	.2									2.3	3.7
SW	.6	.4	.3									1.3	4.4
WSW	.7	.2										.9	2.9
W	.8	.6	.2									1.6	3.7
WNW	1.7	.4	.1									1.6	3.4
NW	.9	.7	.3	.2	.1							2.2	5.9
NNW	2.2	.6	.3									3.1	3.4
VARBL													
CALM												71.3	
	16.1	13.1	2.1	.2	.1							100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 976

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 2128 STATION NAME DAVISON AAF/FT BELVOIR VA YEARS 68-70, 73-79 MONTH JUN  
CLASS ALL WEATHER HOURS (L.S.T.) 11300-0500  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.3										.9	3.1
NNE	.7	.1	.1									.9	3.3
NE	.2											.2	2.1
ENE	.4											.4	1.8
E		.1										.1	4.0
ESE	.4											.4	2.0
SE	.4	.3										.8	3.3
SSE	2.1	1.1										3.2	3.1
S	3.7	1.2	.6									5.4	3.6
SSW	1.4	1.2	.2									2.9	3.7
SW	.6	.6	.2									1.3	4.1
WSW	.3	.1										.4	2.5
W	.8	.2	.1									1.1	2.9
WNW	.3	.3										.7	2.8
NW	.8	.3	.6	.3	.1							2.1	7.5
NNW	1.7	.9	.6									3.1	4.0
VARBL													
CALM												75.9	
	13.6	7.6	2.3	.3	.1							100.0	.9

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

JUN  
MONTH

AL. FATHER  
ASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.4	.4									4.9	3.8
NNE	.9	1.1										2.0	2.6
NE	.4	.6										1.0	3.3
ENE	.4	.2										.7	2.8
E	.3	.4										.8	3.3
ESE	.8	.3										1.1	3.3
SE	.8	.6										1.3	3.3
SSE	1.6	1.7	.1									3.3	3.5
S	3.6	5.4	1.6									10.6	4.4
SSW	2.3	1.7	.7									4.7	4.0
SW	1.4	1.7	.6									3.7	4.2
WSW	1.1	.9	.3									2.0	3.7
W	.5	1.0										1.8	3.5
WNW	.5	.7	.1	.1								1.4	4.4
NW	1.4	1.6	.9	.4								4.3	5.4
NNW	2.5	4.0	1.4									8.0	4.7
VARBL													
CALM												49.3	
	21.0	23.2	5.9	.6								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

66-70, 73-79  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.2	1.8	.1								5.9	5.5
NNE	1.2	2.3										3.6	3.8
NE	.9	1.2	.1									2.2	4.2
ENE	1.2	.6	.2									2.0	3.2
E	1.4	1.0										2.4	3.2
ESE	1.2	1.1	.1									2.4	3.4
SE	2.3	2.1	.7									5.1	4.2
SSE	2.4	2.7	1.3	.1								6.6	4.6
S	5.3	5.8	4.7	.4								15.6	5.1
SSW	3.	4.4	1.9	.2								9.6	5.0
SW	2.2	1.8	.6									4.6	4.0
WSW	1.3	1.7	.3									2.7	3.8
W	1.3	.9	.2	.1								3.2	4.7
WNW	1.6	1.4	1.7	.1	.2							4.3	5.7
NW	1.7	2.1	2.9	1.2	.2							7.4	7.5
NNW	1.8	3.0	2.4	1.0								8.2	6.3
VARBL													
CALM												14.2	
	50.1	33.7	18.2	3.3	.4							100.2	4.3

TOTAL NUMBER OF OBSERVATIONS 900

3  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

RFACE WINDS

93728 STATION JAVISON AAF/FT BELVOIR VA STATION NAME 68-70,73-79 YEARS JUN MONTH 1200-1400 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.2	1.2	.1								5.7	5.2
NNE	1.4	1.1	.1									2.7	3.6
NE	.6	.6										1.1	3.7
ENE	.8	.3	.1									1.2	3.5
E	1.2	1.9	.1									3.2	3.9
ESE	1.6	1.7	.2									3.4	3.6
SE	1.1	1.8	1.4	.1								4.4	5.4
SSE	2.7	3.4	2.7	.2								8.3	5.7
S	3.9	7.4	5.6	.6								17.4	5.7
SSW	2.6	5.7	3.2	.3								11.8	5.5
SW	1.7	2.1	.9									4.0	5.3
WSW	1.7	1.3	.5									3.6	4.0
W	1.9	3.1	1.8	.2								7.0	5.2
WNW	.4	1.9	1.2	.2								3.8	6.1
NW	.8	3.2	2.4	1.1	.2							7.8	7.6
NNW	1.2	3.4	2.2	2.0	.1							9.0	7.4
VARBL													
CALM												6.2	
	23.6	41.2	23.8	4.9	.3							120.0	5.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

03728 STATION DAVIDSON AAF/FT BELVOIR VA 68-70.73-79 YEARS JUN MONTH  
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.7	.6	.1								4.4	4.3
NNE	1.0	.7										2.6	2.6
NE	.9	.4										1.2	2.9
ENE	.7	.9	.1									1.7	3.5
E	1.1	1.7	.1									2.9	4.0
ESE	1.6	1.7	.4									3.7	4.1
SE	.4	2.4	1.2									4.1	5.5
SSE	2.3	4.6	3.9	.4								11.2	5.8
S	5.0	11.3	4.1	.4								21.7	4.9
SSW	2.8	6.1	2.3	.2								11.4	5.0
SW	.7	2.1	.6									3.3	4.8
WSW	1.4	1.7	.2									2.7	3.6
W	.7	1.8	.7	.2								3.3	5.2
WNW	1.0	1.4	1.4	.1	.3							4.3	6.8
NW	1.0	2.8	1.7	1.7	.1							7.2	7.6
NNW	1.6	2.0	2.2	1.0	.2							7.0	7.1
VARBL													
CALM												7.2	
	25.8	42.6	19.6	4.2	.7							102.0	4.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: 43728 STATION NAME: DAVISON AAF/FT BELVOIR VA YEARS: 68-70, 73-79 MONTH: JUN  
CLASS: ALL WEATHER HOURS (L.S.T.): 1800-2000  
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3	.3									3.6	3.6
NNE	.6	.3	.1									1.0	3.6
NE	1.0	.3										1.3	2.6
ENE	.7	.2	.2									1.1	3.6
E	.9	1.1	.1									2.1	3.8
ESE	2.1	.8	.1									3.0	2.9
SE	2.1	1.6	.8	.2								4.7	4.3
SSE	5.1	5.1	1.4	.1								11.8	4.2
S	7.2	5.4	.9									13.6	3.6
SSW	2.8	.6	.2									3.6	2.9
SW	.7	1.3		.1								1.8	4.1
WSW	.9	.5										1.4	3.1
W	1.0	.3	.2	.1								1.7	4.1
WNW	1.0	.4	.6	.2								2.2	5.4
NW	.6	1.4	.9	.3								3.2	6.3
NNW	2.1	1.4	.9	.6								5.0	5.1
VARBL													
CALM												39.0	
	30.6	22.0	6.8	1.7								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-73.73-79  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.4	.1	.2								1.6	4.9
NNE	.7	.1		.1								.4	5.5
NE		.5	.1									.7	5.3
ENE	.4											.4	1.8
E	.7	.1										.8	2.6
ESE	.3	.7										1.2	4.3
SE	1.7	.7	.7									2.3	4.7
SSE	3.4	3.1	.8									7.3	3.8
S	5.7	2.6	.6									8.8	3.1
SSW	1.4	.6	.3									2.3	3.4
SW	.2	.3	.1									.7	4.5
WSW	.9	.2	.1									1.2	3.1
W	.9	.1	.1									1.1	3.1
WNW	.7	.3		.1								1.1	4.3
NW	2.1	.3	.2	.7								3.2	5.0
NNW	1.1	.6	.6									2.2	4.1
VARBL													
CALM												64.8	
	19.8	10.7	3.7	1.1								100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728 STATION      DAVISON AAF/FT BELVOIR VA STATION NAME      68-70, 73-79 YEARS      JUN MONTH  
ALL WEATHER CLASS      ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.2	.6	.1								3.3	4.5
NNE	.9	.7	.0	.0								1.7	3.5
NE	.5	.5	.0									1.0	3.6
ENE	.6	.3	.1									1.0	3.1
E	.8	.8	.7									1.6	3.6
ESE	1.7	.8	.1									2.0	3.6
SE	1.1	1.2	.6	.0								2.9	4.6
SSE	2.7	3.0	1.3	.1								7.1	4.5
S	4.7	5.3	2.2	.2								12.5	4.5
SSW	2.2	2.6	1.1	.1								6.1	4.7
SW	.9	1.2	.4	.0								2.6	4.5
WSW	1.1	.7	.2									1.9	3.6
W	1.7	1.7	.5	.1								2.6	4.5
WNW	.8	.9	.6	.1	.1							2.4	5.5
NW	1.1	1.6	1.2	.7	.1							4.7	6.9
NNW	1.8	2.0	1.3	.6	.7							5.7	5.8
VARBL													
CALM												41.0	
	22.6	23.9	10.3	2.0	.2							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 53728 STATION NAME DAVISON AAF/FT BELVOIR VA YEARS 68-73, 73-79 MONTH JUL  
CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2										.4	3.8
NNE	.3	.1										.4	2.3
NE		.1										.1	4.0
ENE													
E	.3											.3	2.3
ESE	.6	.1										.8	2.4
SE	1.0	.4										1.4	2.7
SSE	1.2	.4	.5									2.2	4.2
S	2.7	2.7	.1									4.8	3.2
SSW	1.2	1.5										2.7	3.7
SW	.8	.3										1.1	2.9
WSW	.4											.4	1.5
W	.6	.3										1.0	3.2
WNW	1.2	.3	.1									1.6	2.9
NW	1.8	.9	.3	.1								3.1	3.9
NNW	2.2	.6	.3									3.1	3.2
VARBL													
CALM												76.6	
	14.5	7.4	1.4	.1								100.0	.8

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 9728 DAVISON AAF/FT BELVOIR VA 68-70.73-79 JUL  
STATION NAME YEARS  
CLASS ALL WEATHER MONTH 1390-0500  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.8										1.5	3.5
NNE	.2											.2	2.0
NE	.2	.1										.3	2.7
ENE													
E	.1											.1	2.0
ESE	.1	.1										.2	4.0
SE	.2											.2	2.5
SSE	1.0	.4	.2									1.6	3.7
S	1.1	.9	.1									2.0	3.4
SSW	1.0	.3	.2									1.5	3.3
SW	.5	.8										1.3	3.5
WSW	.5	.3										.9	2.8
W	.9	.1										1.0	2.3
WNW	.8	.4	.1									1.3	3.4
NW	2.0	.6	.2									2.9	3.0
NNW	2.9	1.0	.1									4.0	2.7
VARBL													
CALM												81.0	
	12.3	5.8	1.0									100.0	.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

03728  
STATION

LAIVISON AAF/FT BELVOIR VA  
STATION NAME

68-70.73-79  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.3	.4									4.0	3.3
NNE	.9	.6										1.5	3.0
NE	1.3	.2										1.2	2.5
ENE	.3											.3	1.7
E	.6	.1										.8	2.6
ESE	.2	.3										.5	3.2
SE	.1	.6	.1									.9	4.4
SSE	1.1	.9	.5									2.5	4.3
S	3.3	1.4	.2									4.9	3.2
SSW	1.5	2.3	.1									3.9	3.8
SW	1.5	1.3										2.8	3.4
WSW	.8	.8										1.5	3.6
W	1.1	.3	.1									1.5	2.8
WNW	1.6	.5	.1	.1	.1							2.5	3.9
NW	2.2	1.9	.6	.2								4.9	4.7
NNW	2.5	2.7	.9									6.0	4.2
VARBL													
CALM												60.3	
	21.2	14.9	3.1	.3	.1							100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

92728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	3.8	.9									7.4	4.2
NNE	1.5	1.3	.2									2.5	4.0
NE	1.4	.2										1.6	2.7
ENE	1.5	.8										2.3	3.2
E	1.9	.4	.1									2.5	2.7
ESE	1.4	.9	.2									2.4	3.5
SE	1.4	1.2	.1									2.7	3.6
SSE	2.2	1.5	.9	.2								4.7	4.5
S	4.3	5.4	1.8									11.5	4.3
SSW	1.8	4.6	1.1	.1								7.6	4.8
SW	1.7	1.3	.5									3.5	4.0
WSW	1.3	1.3	.2									2.8	3.7
W	2.2	2.2	.5									4.8	3.9
WNW	1.7	1.5	1.3	.3								4.8	5.3
NW	2.2	3.2	1.6	.4								7.4	5.5
NNW	3.3	3.4	1.8	.4								9.0	5.0
VARBL													
CALM												22.4	
	32.0	32.8	11.3	1.5								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

93728 STATION DAVISON AAF/FT BELVOIR VA 68-70.73-79 YEARS JUL MONTH  
1200-1400 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.6	.8									5.9	3.9
NNE	.8	1.1	.3									2.2	4.1
NE	.9	.2	.1									1.2	3.0
ENE	.2	.2										.4	2.8
E	1.4	.9										2.3	3.0
ESE	1.3	.8	.2									2.3	3.5
SE	.6	2.5	.3	.1								3.5	4.8
SSE	2.2	3.2	1.4	.2								7.0	4.8
S	4.0	7.1	3.9	.2								15.2	5.1
SSW	2.2	4.9	2.6	.3	.1							10.1	5.6
SW	.9	2.3	1.3									4.1	5.2
WSW	1.1	1.2	.1									2.4	3.9
W	2.4	2.7	.9									5.9	4.1
WNW	2.4	3.7	1.5	.1	.1							7.7	5.0
NW	2.7	3.2	2.6	1.2								9.0	6.2
NNW	2.0	4.4	2.3	.5								9.2	5.6
VARBL													
CALM												11.6	
	26.8	40.9	17.8	2.7	.2							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

07/28 STATION DAVISON AAF/FT BELVOIR VA 68-70, 73-79 JUL  
MONTH  
1500-1700  
HOURS (L.S.T.)  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.9	.6									6.1	4.1
NNE	.8	1.4	.1									2.3	4.0
NE	.8	.2										1.0	3.2
ENE	.6	.2										.9	3.0
E	1.1	.2	.1									1.4	2.8
ESE	1.7	1.4	.4									2.8	4.2
SE	2.7	2.7	.8	.1								4.9	4.3
SSE	2.8	3.5	1.3									7.6	4.4
S	5.1	7.8	2.5	.2								15.6	4.6
SSW	4.2	5.9	1.5	.4								12.0	4.6
SW	1.3	1.8	.8									3.9	4.5
WSW	1.1	1.4	.1									2.5	4.2
W	1.0	3.3	.8									6.0	4.2
WNW	2.7	1.8	1.6	.1	.2							5.8	5.4
NW	1.4	3.3	2.0	.5	.1							7.4	6.2
NNW	1.9	2.6	1.4	.3	.1							6.3	5.6
VARBL													
CALM												13.4	
	30.4	40.0	14.7	1.7	.4							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1800-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.9	.2	.1								2.8	3.8
NNE	1.1	.5										1.6	2.8
NE	.5	.3	.1									1.0	3.2
ENE	.1	.1										.2	3.0
E	.2	.6										.9	3.8
ESE	1.3	.4	.1									1.8	2.9
SE	2.4	1.5		.2								4.1	3.5
SSE	3.3	4.1	.8									8.2	4.0
S	4.9	3.7	1.3	.3								10.2	4.0
SSW	2.2	1.2	.2									3.5	3.2
SW	1.5	.4										1.9	2.4
WSW	.5		.2									.8	4.0
W	1.1	.4	.4									1.9	3.9
WNW	1.1	.6	.1									1.8	3.3
NW	1.4	.3	.8	.2								2.7	5.0
NNW	1.1	1.8	.5	.1	.1							3.7	5.2
VARBL													
CALM												52.9	
	24.3	17.0	4.7	1.0	.1							100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

936

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	.1									1.2	3.7
NNE	.6											.6	2.2
NE	.4											.4	2.3
ENE	.2											.2	2.0
E	.2	.1										.3	2.3
ESE	.9	.1										1.0	2.3
SE	1.1	.4	.1									1.6	3.3
SSE	1.9	.6	.4	.1								3.1	3.8
S	2.7	1.7	.2									4.6	3.6
SSW	.9	.9										1.7	3.4
SW	.8	.3										1.1	2.9
WSW	.2	.3	.1									.6	4.2
W	.5	.5	.2									1.3	4.3
WNW	.1	.2	.2	.2								.8	7.7
NW	1.6	.9	.2	.2								2.9	4.0
NNW	.8	.9		.1								1.7	4.3
VARBL													
CALM												76.8	
	13.4	7.5	1.6	.6								100.0	.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.6	.4	.7								3.7	3.9
NNE	.7	.6	.1									1.4	3.5
NE	.6	.2	.7									.8	2.9
ENE	.4	.2										.5	3.0
E	.7	.3	.7									1.1	2.9
ESE	.8	.5	.1									1.5	3.4
SE	1.1	1.1	.2	.1								2.4	3.9
SSE	1.9	1.8	.8	.1								4.6	4.3
S	3.5	3.7	1.3	.1								8.6	4.3
SSW	1.9	2.7	.7	.1	.7							5.4	4.5
SW	1.1	1.1	.3									2.5	4.0
WSW	.7	.7	.1									1.5	3.7
W	1.3	1.2	.4									2.9	3.9
WNW	1.4	1.1	.6	.1	.1							3.3	4.8
NW	1.8	1.3	1.7	.4	.7							5.1	5.3
NNW	2.1	2.2	.9	.2	.7							5.4	4.8
VARBL													
CALM												49.4	
	21.9	20.8	6.9	1.0	.1							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 7440



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728 STATION CAIVSON AAF/FT BELVOIR VA 58-70.73-79 YEARS AUG MONTH 1000-0200 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.4										1.6	2.9
NNE	.2	.2										.4	4.0
NE		.2										.2	4.0
ENE													
E	.5	.1										.6	2.5
ESE	.5											.5	2.0
SE	.8	.2										1.3	2.7
SSE	1.1	.4	.1									1.6	2.9
S	2.7	.8	.1									3.5	2.7
SSW	1.8	.5										2.4	2.6
SW	1.2	.3										1.5	2.4
WSW	.2	.3										.5	3.6
W	.4	.1	.1									.6	3.3
WNW	.6	.2	.1									1.0	3.4
NW	1.4	.3										1.7	2.6
NNW	2.2	.6	.5									3.3	3.5
VARBL													
CALM												79.4	
	14.8	4.8	1.0									100.0	.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728 STATION      DAVISON AAF/FT BELVOIR VA STATION NAME      68-70, 73-79 YEARS      AUG MONTH  
ALL WEATHER CLASS  
0300-0500 HOURS (L.S.T.)  
 \_\_\_\_\_ CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6										1.9	2.0
NNE	.2	.2										.4	2.8
NE		.2										.2	4.5
ENE	.1	.1										.2	3.3
E	.2	.1										.3	2.7
ESE	.3											.3	1.3
SE		.1										.1	5.0
SSE	.9	.5	.1									1.5	3.5
S	1.1	.5	.3									1.9	3.8
SSW	.9	.6										1.5	2.9
SW	.8	.6										1.4	3.0
WSW	1.7	.2										1.2	2.7
W	.8	.2										1.0	2.2
WNW	.9	.4										1.3	2.7
NW	1.5	1.1	.1									2.7	3.3
NNW	1.6	1.2	.3									3.1	3.7
VARBL													
CALM												83.9	
	11.4	6.9	.9									100.0	.6

TOTAL NUMBER OF OBSERVATIONS      930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728 STATION DAVIDSON AAF/FT BELVOIR VA 68-70,73-79 YEARS AUG MONTH  
ALL WEATHER CLASS 0600-0600 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.8	1.4	.2									3.4	3.4
NNE	1.2	.4										1.4	3.5
NE	.3	.2										.5	3.4
ENE	.4											.4	1.8
E	.1	.4										.5	3.6
ESE	.1	.1										.2	3.5
SE	.3	.1										.4	2.5
SSE	.9	.4										1.2	2.8
S	2.7	1.6	.5									4.8	3.4
SSW	2.9	1.6	.3									4.9	3.3
SW	1.1	1.3	.1									2.5	3.5
WSW	1.1	.1										1.2	2.5
W	1.1	.1										1.2	2.5
WNW	.8	.5	.1									1.4	3.3
NW	2.5	1.1	.5									4.1	3.6
NNW	3.1	2.8	.8									6.7	4.0
VARBL													
CALM												65.2	
	20.0	12.3	2.6									100.0	1.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	4.4	1.1									9.0	4.1
NNE	1.8	1.5	.4									3.8	4.0
NE	1.8	.9										2.7	2.8
ENE	1.0	1.1	.5									2.6	4.4
E	1.6	.6										2.3	2.8
ESE	1.2	.5										1.7	2.6
SE	1.5	1.2	.3									3.0	3.8
SSE	1.9	1.0	.4									3.3	3.7
S	4.4	3.9	1.7	.1								10.1	4.2
SSW	2.8	3.9	1.2									7.8	4.4
SW	2.6	2.0	.4									5.1	3.6
WSW	2.0	1.4	.2									3.7	3.4
W	2.3	1.8	.4	.1								4.6	4.0
WNW	2.2	.9	1.0	.3								4.3	5.0
NW	2.6	2.4	1.3	.2								6.5	4.9
NNW	3.7	2.4	2.4	.3								8.1	5.2
VARBL													
CALM												21.5	
	36.2	29.8	11.4	1.1								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

930

3  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728 STATION DAVISON AAF/FT BELVOIR VA 68-70, 73-79 YEARS  
ALL WEATHER CLASS  
CONDITION  
AUG MONTH  
1200-1400 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.4	1.4	.4								6.9	5.0
NNE	1.3	1.0	.5									2.8	4.0
NE	.8	.8										1.5	3.6
ENE	.6	.6	.3									1.6	4.1
E	2.0	.2	.4	.1								2.8	3.8
ESE	1.0	1.0										1.9	3.3
SE	1.6	1.6	.1									3.3	3.6
SSE	1.9	1.6	1.1	.3								4.9	5.1
S	5.3	7.0	3.0	.2								15.5	4.7
SSW	2.0	4.0	2.2									8.2	5.1
SW	2.5	2.9	1.1									6.5	4.5
WSW	1.5	1.3	.2									3.0	4.1
W	3.1	2.6	.8	.1								6.6	4.1
WNW	1.7	2.6	1.5	.3	.1							6.2	5.4
NW	2.2	3.4	1.9	.6								8.2	5.7
NNW	2.0	3.4	1.4	.3								7.2	5.2
VARBL													
CALM												12.9	
	32.3	36.3	15.9	2.5	.1							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70,73-79  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.3	1.0	.1								5.7	4.4
NNE	1.3	.1										1.4	2.2
NE	.9	.3										1.2	2.6
ENE	.5	.3	.1									1.0	4.1
E	1.8	.8	.3									2.9	3.7
ESE	1.6	1.2	.1									2.9	3.7
SE	1.9	1.5	.6	.1								4.2	4.3
SSE	3.2	3.8	1.6									8.6	4.4
S	5.7	6.8	1.5	.1								14.3	4.0
SSW	3.7	6.5	1.1									11.2	4.2
SW	1.5	2.8	.8	.1								5.2	4.6
WSW	1.1	.8	.1									1.9	3.4
W	3.0	1.9	1.0	.1								6.0	4.2
WNW	2.8	3.5	1.4	.3								8.1	4.9
NW	1.1	2.5	2.0	.1								5.7	5.7
NNW	1.8	2.6	2.0	.1								6.6	5.5
VARBL													
CALM												13.2	
	34.5	37.5	13.7	1.1								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728 STATION DAVIDSON AAF/FT BELVOIR VA 68-70, 73-79 YEARS AUG MONTH  
1800-2000 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.5	.1	.1								2.3	3.4
NNE	.2	.2	.1									.5	4.8
NE	.4	.2										.6	3.2
ENE	.4	.1										.5	2.6
E	1.3	.2										1.2	2.5
ESE	1.7	.5										2.3	2.7
SE	3.1	1.4	.3									4.8	3.3
SSE	2.2	1.6	.4									4.2	3.5
S	4.1	2.2	.3									6.6	3.1
SSW	2.4	1.0	.2									3.5	3.0
SW	.8	.3										1.1	2.7
WSW	.5	.2	.2									1.0	3.7
W	1.4	.6										2.0	2.6
WNW	1.2	.3	.2		.2							1.9	5.2
NW	1.5	.8	.4									2.7	3.9
NNW	1.9	1.4	.3	.1								3.8	3.8
VARBL													
CALM												61.0	
	24.3	11.6	2.7	.2	.2							100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728 STATION DAVISON AAF/FT BELVOIR VA 68-70, 73-79 YEARS AUG MONTH  
2100-2300 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.2	.2									1.0	3.9
NNE	.3											.3	2.0
NE	.3	.1										.4	3.0
ENE	.1											.1	3.0
E	.4											.4	1.8
ESE	.2	.2										.4	3.3
SE	1.0	.1	.1									1.2	2.5
SSE	1.2	.6										1.8	2.8
S	3.4	1.7	.1									4.5	2.5
SSW	1.2	.2										1.4	2.5
SW	.4	.2	.1									.8	3.6
WSW		.2										.2	6.0
W	.2	.2	.2									.6	4.5
WNW	.9	.3	.1	.1								1.4	3.9
NW	1.1	.6	.1									1.8	3.1
NNW	1.4	.5	.3									2.3	3.7
VARBL													
CALM												81.3	
	12.7	4.6	1.3	.1								100.0	.6

TOTAL NUMBER OF OBSERVATIONS 930



3  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728 STATION      DAVISON AAF/FT BELVOIR VA STATION NAME      68-70, 73-79 YEARS      AUG MONTH  
ALL WEATHER CLASS  
CONDITION  
ALL HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.5	.5	.1								4.0	4.1
NNE	.8	.5	.1									1.4	3.6
NE	.6	.4										.9	3.1
ENE	.4	.3	.1									.8	3.9
E	1.0	.3	.1	.0								1.4	3.2
ESE	.8	.4	.0									1.3	3.0
SE	1.3	.8	.2	.0								2.3	3.6
SSE	1.6	1.2	.5	.0								3.4	4.0
S	3.7	3.0	1.0	.1								7.7	3.9
SSW	2.2	2.3	.6									5.1	4.0
SW	1.3	1.3	.3	.0								3.0	3.9
WSW	.9	.6	.1									1.6	3.5
W	1.5	1.0	.3	.0								2.8	3.8
WNW	1.4	1.1	.6	.1	.3							3.2	4.7
NW	1.7	1.5	.6	.1								4.2	4.6
NNW	2.1	1.9	1.0	.1								5.1	4.6
VARBL													
CALM												51.9	
	23.3	18.0	6.2	.6	.0							120.0	1.9

TOTAL NUMBER OF OBSERVATIONS      7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AJR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

3000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.6	.2									3.1	3.9
NNE	.3	.3										.7	3.3
NE	.1	.1										.2	4.5
ENE	.4	.2										.7	2.3
E	.2	.1	.1									.4	4.0
ESE	.5	.1	.1									.8	4.0
SE	.2	.6	.2									1.0	4.9
SSE	1.1	.9	.4	.1								2.6	4.6
S	2.0	1.0	.9									3.9	4.4
SSW	1.0	.3	.2									1.6	3.5
SW	.1	.2										.3	4.0
WSW		.3										.3	4.3
W	.2											.2	1.5
WNW	.4	.1										.6	2.4
NW	1.7	1.3	.4									2.8	4.1
NNW	1.2	1.8	.1	.1								3.2	4.3
VARBL													
CALM												77.7	
	10.3	9.0	2.8	.2								100.0	.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.4	.1									2.9	3.5
NNE	.7	.4	.1									1.2	3.4
NE	.2	.4	.1									.8	5.3
ENE	.2	.2										.4	3.0
E	.3	.2	.2									.8	4.3
ESE	.8	.1										.9	2.4
SE	.4		.1									.6	4.0
SSE	.7	.9	.4									2.0	5.0
S	1.7	.7	.6									2.2	4.6
SSW	1.2	.3	.3	.1								2.0	4.2
SW	.5	.2	.1									.9	3.6
WSW	.1	.1										.2	4.0
W	.2											.2	1.5
WNW	1.7	.4										1.4	2.8
NW	1.4	.7	.3	.1								2.6	4.2
NNW	2.4	1.6	.8									4.8	4.2
VARBL													
CALM												76.1	
	12.7	7.8	3.2	.2								100.0	.9

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

3600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 32	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.2	.2	.1								3.7	3.6
NNE	.4	1.2										1.7	3.6
NE	.6	.6	.1									1.2	3.5
ENE	1.3	.3	.1									1.4	3.2
E	.4											.4	1.8
ESE	.7	.2										.9	2.9
SE	.2	.1										.3	3.0
SSE	.8	.6	.2	.2								1.8	4.9
S	1.3	1.6	.3									2.9	4.2
SSW	.8	1.3	.7	.2								2.7	5.6
SW	.4	.2	.3									1.0	4.9
WSW	.8	.2	.1									1.1	3.5
W	.6											.6	2.0
WNW	1.3	.6	.4									2.0	4.2
NW	2.7	1.3	.8	.2								5.0	4.1
NNW	2.6	2.8	.3									5.7	3.9
VARBL													
CALM												67.7	
	16.0	11.9	3.7	.8								100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70.73-79  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.9	1.3									6.9	4.8
NNE	2.8	1.7	.4									4.9	3.5
NE	1.6	1.8	.1									3.4	3.8
ENE	1.7	1.3	.1									3.1	3.4
E	2.7	1.7										3.7	3.1
ESE	1.4	1.2										2.7	3.6
SE	1.7	.7	.7									2.3	4.5
SSE	2.7	2.7	.6	.1								4.7	4.4
S	3.4	3.2	1.1	.1								7.9	4.4
SSW	2.6	3.4	2.0	.1								8.1	5.0
SW	1.9	.9	.3	.2								3.3	4.0
WSW	1.8	1.0	.1	.1								3.0	3.7
W	2.1	1.6	.3	.1								4.1	3.8
WNW	1.3	1.2	.4	.4								3.4	5.4
NW	1.3	2.1	1.9	.3	.1							5.8	6.3
NNW	1.9	2.9	2.6	.6								7.9	5.9
VARBL													
CALM												24.8	
	31.1	29.9	12.0	7.1	.1							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728 STATION      DAVIDSON AAF/FT BELVOIR VA STATION NAME      58-70,73-79 YEARS      SEP MONTH  
1200-1400 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	3.1	.9	.2								7.0	4.6
NNE	2.1	1.2	.2									3.6	3.6
NE	1.6	1.1	.1									2.8	3.5
ENE	1.1	.7										1.8	3.0
E	1.9	2.0										3.9	3.2
ESE	2.6	.9	.6	.1								4.1	3.6
SE	1.1	2.0	.9	.1								4.1	4.9
SSE	2.0	2.1	.6	.1								4.8	4.3
S	3.4	6.8	3.6	.2								14.0	5.3
SSW	2.8	5.1	2.7									10.6	5.1
SW	1.1	1.0	.9									3.0	5.0
WSW	1.1	1.4	.6	.2								3.3	5.3
W	3.1	1.9	.2									5.2	3.2
WNW	1.3	1.9	1.1	.7								5.0	5.8
NW	1.4	3.0	2.4	1.0								8.3	6.5
NNW	2.8	3.0	1.8	.4								8.0	5.0
VARBL													
CALM												10.6	
	32.7	37.2	16.4	3.1								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97728 STATION DAVISON AAF/FT BELVOIR VA 68-70, 73-79 YEARS SEP MONTH  
1500-1700 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.9	.8									5.7	4.2
NNE	1.3	1.7	.2									2.6	3.9
NE	1.7	.7										2.3	3.7
ENE	1.1	.6	.1									1.8	3.4
E	2.1	.3	.2									2.7	2.5
ESE	2.7	.4	.4									2.9	3.3
SE	1.7	1.3	.7	.1								3.8	4.6
SSE	3.9	2.7	.6									7.1	3.7
S	5.7	6.9	2.2									14.8	4.3
SSW	3.8	3.4	1.6									8.8	4.2
SW	1.7	1.1	.7									3.3	4.0
WSW	1.2	.7	.2									2.1	3.5
W	1.8	1.4	.7									3.9	4.7
WNW	1.7	1.8	.9	.4								4.8	5.1
NW	1.7	1.9	1.7	.9								6.1	6.2
NNW	2.4	2.2	1.3	.6								6.6	5.4
VARBL													
CALM												20.9	
	35.7	29.2	12.2	2.0								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728 STATION DAVISGN AAF/FT BELVOIR VA 68-70, 73-79 YEARS  
ALL WEATHER CLASS  
CONDITION  
SEP MONTH  
1800-2000 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.6										2.8	3.5
NNE	.4	.3										.8	3.6
NE	.9	.1										1.0	2.1
ENE	.1	.2										.3	3.7
E	.8	.3	.4									1.6	4.9
ESE	1.4	.4	.2									2.1	3.1
SE	1.7	.4	.2	.3								2.3	5.0
SSE	1.3	1.9	.3									3.6	4.0
S	2.6	.7	.4	.1								3.8	3.4
SSW	.4											.4	1.8
SW	.2	.1										.3	2.7
WSW	.3	.1										.4	3.7
W	.6	.3	.1									1.0	4.0
WNW	.8	.6	.2									1.6	3.9
NW	.6	1.7	.7	.2								2.4	5.9
NNW	1.1	.4	.1	.1								1.8	3.8
VARBL													
CALM												74.1	
	13.8	8.6	2.8	.8								100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93728 STATION NAME DAVISON AAF/FT BELVOIR VA YEARS 69-70, 73-79 MONTH SEP  
CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.6	.1									2.6	2.7
NNE	.9	.4	.1									1.4	3.3
NE		.2										.2	5.5
ENE	.3	.1										.4	2.5
E	.3	.2										.6	3.0
ESE	.2	.4	.2									.9	5.3
SE	.4	.7	.1									1.2	4.4
SSE	.9	.8	.3	.2	.1							2.3	5.7
S	2.1	.9	.4		.1							3.6	3.8
SSW	.6	.3	.1									1.0	3.3
SW													
WSW	.2	.1										.3	2.3
W	.7	.1										.8	2.3
WNW	.3	.3	.1	.1								.9	5.4
NW	1.6	.4	.3									2.3	3.4
NNW	1.2	1.1	.3	.1								2.8	4.6
VARBL													
CALM												78.7	
	11.7	6.8	2.2	.4	.2							100.0	.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 23728 STATION NAME DAVIDSON AAF/FT BELVOIR VA YEARS 68-70, 73-79

CLASS ALL WEATHER

CONDITION

SEP MONTH

ALL HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	2.0	.5	.0								4.3	4.1
NNE	1.1	.8	.1									2.1	3.6
NE	.9	.6	.1									1.5	3.5
ENE	.7	.5	.0									1.2	3.2
E	1.1	.5	.1									1.7	3.3
ESE	1.2	.5	.2	.0								1.9	3.5
SE	.8	.7	.4	.1								1.9	4.6
SSE	1.6	1.5	.4	.1	.0							3.6	4.4
S	2.7	2.7	1.2	.1	.0							6.6	4.5
SSW	1.6	1.7	.9	.1								4.4	4.7
SW	.7	.5	.3	.0								1.5	4.3
WSW	.7	.5	.1	.0								1.4	4.1
W	1.2	.7	.2	.0								2.0	3.5
WNW	1.1	.9	.4	.2								2.5	4.9
NW	1.5	1.5	1.1	.3	.0							4.4	5.5
NNW	2.0	2.0	.9	.2								5.1	4.8
VARBL													
CALM												53.8	
	20.5	17.5	6.9	1.2	.0							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FI BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.7	.6									4.5	3.6
NNE	.9	.2										1.1	2.9
NE	.5	.3										.9	3.7
ENE	.3	.1	.1									.5	3.6
E	.2	.1	.2									.5	4.2
ESE	.4	.4	.1									1.0	4.0
SE	.4	.3	.1									.9	4.4
SSE	1.1	.8	.2									2.0	3.9
S	1.3	1.0	.3									2.6	3.8
SSW	.5	.3	.1									1.0	3.3
SW	.2	.5										.8	3.9
WSW	.3		.1									.4	3.8
W	.9	.1										1.3	2.7
WNW	1.2	.4	.3									1.7	4.0
NW	2.2	1.5	1.1	.2								4.0	4.8
NNW	2.3	1.4	.8	.2								4.6	4.4
VARBL													
CALM												71.6	
	14.6	9.2	4.1	.4								170.0	1.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.5	.5									4.1	4.0
NNE	1.2	.6	.1									1.9	3.4
NE	.9	.3										1.2	2.8
ENE	.3	.3	.1									.8	4.3
E	.5	.2										.8	2.7
ESE	.6	.1										.8	1.9
SE	.6	.3										1.0	2.9
SSE	.6	1.3	.4									2.4	5.0
S	1.2	1.4	.2									2.8	3.7
SSW	.4	.2										.6	2.5
SW	.4	.2	.1									.8	3.6
WSW	.2	.1										.3	2.0
W	.5	.3										.9	3.4
WNW	1.1	.4	.4	.2								2.0	5.4
NW	2.4	1.7	1.4	.5								6.0	5.2
NNW	2.1	1.6	1.1									5.1	4.2
VARBL													
CALM												68.7	
	15.4	10.8	4.4	.8								100.0	1.3

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728 STATION DAVISON AAF/FT BELVOIR VA STATION NAME 68-70.73-79 YEARS OCT MONTH 0600-0800 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.5	.4									5.2	3.2
NNE	.9	.5	.1									1.5	3.3
NE	.4	.6										1.1	3.8
ENE	.1	.5	.1									.8	4.6
E	.5	.3										.9	2.9
ESE	.6											.6	2.0
SE	.8	.3	.1									1.2	3.4
SSE	1.0	.3	.1	.1								1.5	4.1
S	1.3	1.5	.1									2.9	3.8
SSW	.8	1.3	.3									2.4	4.5
SW	.4	.5										1.0	3.6
WSW													
W	.4	.1										.5	2.2
WNW	2.7	1.1	.5	.3								4.0	4.7
NW	3.3	1.4	1.1	.3								6.1	4.5
NNW	1.9	2.5	1.4	.1								5.9	4.7
VARBL													
CALM												64.5	
	17.7	12.6	4.3	.9								100.0	1.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	2.7	1.1	.8								7.5	5.0
NNE	1.5	2.0	.3									3.9	4.3
NE	1.3	1.5	.1									2.9	3.8
ENE	1.2	.8	.3									2.3	3.8
E	2.2	2.3	.3									4.6	3.9
ESE	1.7	.8	.3									2.8	3.6
SE	1.9	.9										2.8	3.0
SSE	2.0	1.1										3.1	3.1
S	3.3	2.5	1.3									7.1	4.1
SSW	1.8	3.2	1.9	.1								7.1	5.1
SW	1.3	1.7	.5									3.5	4.5
WSW	.5	.9	.2									1.6	4.4
W	1.7	1.0	1.0	.1								3.8	4.9
WNW	.6	.6	1.2	1.1								3.5	8.5
NW	1.5	1.5	2.6	2.5	.3							8.4	8.3
NNW	1.0	3.9	4.3	.8								10.9	6.3
VARBL													
CALM												24.2	
	27.5	27.2	15.5	5.3	.3							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	4.4	1.8	.2								9.6	4.9
NNE	1.6	1.5	.1									3.2	3.5
NE	.8	1.4										2.2	4.1
ENE	1.7	1.4										2.4	3.5
E	1.5	1.8	.9	.1								4.3	4.6
ESE	1.8	1.1	.2									3.1	3.3
SE	1.5	1.2	.5	.1								3.3	4.5
SSE	1.9	2.7	1.5									6.1	4.8
S	3.4	5.3	2.4	.6								11.7	5.2
SSW	1.6	2.8	2.4	.4								7.2	5.8
SW	.5	1.5	.9									2.9	5.5
WSW	.9	.8	.1									1.7	3.8
W	2.4	2.4	.9	.1								5.7	4.6
WNW	.6	1.4	1.5	1.1								4.6	7.8
NW	1.0	2.5	3.5	2.7	.2	.1						10.0	9.0
NNW	2.3	3.4	3.8	1.1								10.5	6.5
VARBL													
CALM												11.4	
	25.9	35.5	20.4	6.5	.2	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728 STATION DAVIDSON AAF/FT BELVOIR VA 68-70.73-79 YEARS OCT  
MONTH  
1500-1700  
HOURS (L.S.T.)  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	2.4	1.2	.2								6.8	4.5
NNE	1.5											1.5	2.4
NE	.6	.3	.1									1.1	3.2
ENE	.8	.9	.1									1.7	4.1
E	2.4	2.4	.1									4.8	3.5
ESE	1.1	1.0	.5									2.6	4.3
SE	1.4	.8	.5									2.7	3.9
SSE	3.2	2.6	1.0									6.8	4.0
S	5.7	4.2	1.4	.1								11.4	3.9
SSW	2.6	2.8	.9									6.2	4.3
SW	1.2	1.7	.6									2.8	4.5
WSW	.5	.6	.2									1.4	4.2
W	1.0	1.4	.2	.2								2.8	4.9
WNW	1.3	1.4	1.3	.4								4.4	6.0
NW	1.5	3.5	3.1	1.8								10.0	7.0
NNW	2.5	4.1	3.1	1.0								10.6	6.1
VARBL													
CALM												22.4	
	30.2	29.2	14.4	3.8								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 930



3  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97728 STATION DAVISON AAF/FT BELVOIR VA 68-70, 73-79 YEARS OCT MONTH  
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.5	.1	.1								2.3	3.4
NNE	.3	.4										1.2	2.8
NE	.5		.1									.6	3.2
ENE	.4	.4										.9	3.5
E	1.1	1.1										2.2	3.7
ESE	1.0	.4										1.4	2.6
SE	.4	1.3	.2									1.9	4.7
SSE	1.5	.8										2.3	2.6
S	1.2	.6										1.8	3.1
SSW	.8	.5	.1									1.4	3.8
SW	.3	.1		.1								.5	5.4
WSW	.3	.1	.1									.5	4.0
W	.2	.4	.1									.8	4.0
WNW	.8	.3	.2	.4								1.7	6.1
NW	2.7	1.5	1.2	.6								5.4	5.7
NNW	2.0	1.9	1.4	.2								5.6	5.0
VARBL													
CALM												69.6	
	14.8	10.5	3.5	1.5								100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70,73-79  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.2	.1									3.1	3.2
NNE	1.3	.1										1.1	2.5
NE	.3	.2										.5	2.8
ENE	.6	.5										1.2	3.4
E	1.3	.2										1.5	2.4
ESE	.4	.6										1.1	3.6
SE	.2	.4										.6	3.8
SSE	1.1	.5	.1									1.7	3.3
S	1.8	1.4	.1									3.3	3.4
SSW	.5	.6	.1									1.3	4.2
SW		.1	.1									.2	6.0
WSW	.4	.1	.1									.6	3.7
W	.6	.4	.2									1.3	3.8
WNW	1.5	.1	.8									1.8	4.5
NW	2.7	1.5	.5	.5	.1							4.7	5.3
NNW	1.8	1.6	1.1	.2								4.7	5.0
VARBL													
CALM												71.1	
	15.1	9.8	3.2	.8	.1							100.0	1.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70,73-79  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.0	.7	.2								5.4	4.2
NNE	1.2	.7	.1									1.9	3.4
NE	.7	.6	.0									1.3	3.5
ENE	.6	.6	.1									1.3	3.6
E	1.2	1.0	.2	.0								2.4	3.7
ESE	1.0	.6	.1									1.7	3.4
SE	.9	.7	.2	.0								1.8	3.9
SSE	1.6	1.2	.4	.0								3.2	4.0
S	2.4	2.2	.7	.1								5.5	4.2
SSW	1.1	1.5	.7	.1								3.4	4.8
SW	.6	.7	.3	.0								1.6	4.6
WSW	.4	.3	.1									.8	3.9
W	1.0	.8	.3	.1								2.1	4.4
WNW	1.0	.7	.8	.4								3.0	6.2
NW	2.0	1.9	1.8	1.2	.1	.0						6.9	6.6
NNW	2.1	2.6	2.1	.4								7.2	5.6
VARBL													
CALM												50.4	
	20.2	18.1	8.7	2.5	.1	.0						100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.7	.2	.1								2.6	3.6
NNE	.4	.3	.1									.9	3.7
NE	.8	.2	.4									1.4	4.3
ENE	.6	.4										1.0	3.0
E	.4	.3	.1									.9	3.8
ESE	.7	.3	.2									1.2	3.9
SE	.4	.2	.3									1.0	5.1
SSE	.8	.4										1.2	3.3
S	1.6	2.1	.3									4.0	4.2
SSW	1.0	.9	.3									2.2	3.9
SW	.7	.1										.8	2.3
WSW	.1	.3	.1									.6	5.0
W	1.1	.7	.1	.2								2.1	4.6
WNW	1.8	2.0	1.9	.7	.1							6.4	6.2
NW	2.0	2.9	3.0	.8	.1							8.8	6.3
NNW	1.2	2.6	1.1									4.9	5.0
VARBL													
CALM												60.0	
	15.1	14.6	8.3	1.8	.2							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.4	.3	.1								3.2	4.5
NNE	.3	.1	.1	.2								.8	7.0
NE	.4	.6	.1	.1								1.2	4.7
ENE	.3	.7										1.0	4.0
E	.8	.1										.9	2.6
ESE	1.1											1.1	2.4
SE	.4	.3	.2									1.0	4.1
SSE	.1	1.0										1.1	4.2
S	1.0	2.0	.3									3.3	4.2
SSW	.6	.6										1.1	3.2
SW	.3	.4	.3									1.1	4.6
WSW	.6	.4	.1									1.1	3.6
W	1.1	.4	.8									2.3	4.7
WNW	1.6	1.1	1.4	.7								4.8	6.3
NW	2.4	2.8	1.8	.7		.1						7.8	5.8
NNW	1.3	2.2	1.6	.3								5.4	5.7
VARBL													
CALM												62.7	
	13.8	14.2	7.1	2.1		.1						100.0	1.9

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/LMAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.1	.8	.2								2.9	6.0
NNE	.3	.2	.1	.1								.8	5.6
NE	.6	.1										.7	3.0
ENE	.4	.4	.3									1.2	4.7
E	.7	.2	.1									1.0	3.7
ESE	.4	.2	.1									.8	3.7
SE	.3	.3										.7	3.3
SSE	.6	1.3	.3									2.2	5.2
S	1.1	1.1	.8									3.0	4.5
SSW	.6	1.1										1.7	4.3
SW	.9	.2										1.1	2.7
WSW	.7	.1										.8	2.4
W	.9	1.0	.6									2.4	4.8
WNW	2.3	.9	1.4	.9								5.6	5.8
NW	1.4	2.0	1.3	1.7	.2							6.7	7.6
NNW	1.9	2.1	1.4	.3	.1							5.9	5.6
VARBL													
CALM												62.7	
	13.9	12.6	7.3	3.2	.3							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

95728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.6	1.2	.4	.2							5.0	6.0
NNE	1.4	1.9	.3									3.7	4.2
NE	1.1	.7	.1									1.9	3.2
ENE	1.0	1.3										2.3	3.7
E	1.7	1.1	.1									2.9	3.2
ESE	.6	.9	.1									1.6	4.4
SE	1.1	1.7	.2	.1								3.1	4.3
SSE	1.4	1.7	.7	.1								3.9	4.7
S	1.7	1.8	1.7									5.1	5.1
SSW	1.6	2.4	2.7	.2								6.2	5.6
SW	1.1	2.1	.7									3.9	4.7
WSW	.4	.7	.2									1.3	4.9
W	.9	.9	1.2	.1	.1							3.2	6.4
WNW	.3	1.4	1.2	2.1	.3							5.4	9.6
NW	.9	1.7	4.3	3.2	.9	.2						10.9	10.0
NNW	1.1	2.1	3.8	1.8								8.8	7.9
VARBL													
CALM												30.8	
	1.9	23.9	17.6	8.1	1.6	.2						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-73, 73-79  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.M.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.2	1.8	.4								7.2	5.9
NNE	1.3	.7										1.7	3.4
NE	1.2	.6										1.8	2.8
ENE	1.1	.8	.1									2.0	3.4
E	1.3	2.2	.1									3.7	4.1
ESE	1.4	.4	.2									2.1	3.3
SE	1.8	1.7	.7	.2								4.3	4.7
SSE	2.9	1.8	1.2	.1								6.0	4.6
S	2.6	4.6	2.5	.8								9.7	5.3
SSW	2.1	3.3	4.7	.2								10.2	6.2
SW	1.6	1.4	1.3	.1								4.4	5.0
WSW	.9	.7	.6									2.1	4.3
W	.9	1.1	2.2	.3		.1						4.7	7.0
WNW	1.0	1.0	2.3	1.7	.8	.1						6.9	9.9
NW	1.1	2.4	4.4	3.3	1.1	.3						12.8	10.1
NNW	.8	2.8	3.4	2.3	.7							13.0	9.2
VARBL													
CALM												10.2	
	23.3	28.7	25.1	9.6	2.6	.6						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-73, 73-79  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.3	.9	.3								5.4	5.1
NNE	1.1	.9	.2									2.2	4.0
NE		.4	.1									.6	5.0
ENE	.4	.7	.2									1.3	4.6
E	1.2	.8	.3									2.1	3.9
ESE	.8	1.1	.2									2.1	4.5
SE	1.9	1.8	1.0	.3								5.0	4.8
SSE	2.3	2.3	.3	.1								4.8	4.2
S	3.8	4.0	2.2									10.0	4.5
SSW	3.2	2.2	1.9	.1								7.4	4.6
SW	.8	.6	.2	.2								1.8	5.1
WSW	.4	.3	.3									1.1	4.9
W	1.3	1.7	.9	.2	.1							4.2	5.7
WNW	1.0	1.7	1.3	1.2	.7	.1						6.0	5.2
NW	2.6	3.2	2.6	3.1	.9	.1						12.4	8.7
NNW	1.1	3.4	3.7	1.6	.2	.1						10.1	7.9
VARBL													
CALM												23.3	
	23.3	27.4	16.4	7.2	1.9	.3						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1830-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	.7	.8									3.2	4.5
NNE	.4	.2										.7	2.8
NE	.4	.2	.1									.8	3.1
ENE	.3	.7										1.0	4.1
E	.8	1.1	.2									2.1	3.9
ESE	.8	.6	.2									1.6	3.6
SE	.8	.9	.2									1.9	4.3
SSE	1.7	.9	.3									2.2	4.0
S	1.5	2.7	.4									4.0	4.1
SSW	1.3	1.2	.3	.1								3.0	4.2
SW	.6	.2										.8	2.9
WSW	.3	.1										.4	2.8
W	.8	.8	.3	.2								2.1	5.4
WNW	1.3	2.4	.9	1.2	.3							6.2	7.4
NW	1.7	2.4	3.0	2.3	.7							10.1	8.4
NNW	1.7	2.1	1.9	.2		.1						6.0	6.0
VARBL													
CALM												53.9	
	15.6	16.6	8.8	4.1	1.0	.1						100.0	2.6

TOTAL NUMBER OF OBSERVATIONS

900

3  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.6	.3									2.6	4.7
NNE	.6	.3										.9	2.8
NE	.7	.3										1.0	2.9
ENE	.6	.4										1.0	3.4
E	.7	.6	.1									1.3	3.8
ESE	.4	.2	.1									.8	3.7
SE	.2	1.2	.1									1.6	4.9
SSE	1.0	.8	.6									2.3	4.7
S	2.0	1.7	.2									3.9	3.4
SSW	1.7	1.1	.7	.2								3.0	5.2
SW	.9	.7	.2									1.8	3.7
WSW	.3											.3	2.0
W	.7	.7	.2	.2								1.8	5.6
WNW	1.2	2.1	1.6	1.6	.1	.1						6.7	7.6
NW	1.7	2.7	3.3	1.6	.2							9.4	7.4
NNW	1.3	2.0	2.3	.3								6.0	6.3
VARBL													
CALM												55.7	
	13.9	16.3	9.8	3.9	.3	.1						100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YE.

NOV  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.6	.8	.2	.0							4.0	5.2
NNE	.7	.6	.1	.0								1.4	4.1
NE	.7	.4	.1	.0								1.2	3.5
ENE	.6	.7	.1									1.4	3.9
E	.9	.8	.1									1.9	3.7
ESE	.8	.5	.2									1.4	3.8
SE	.7	1.0	.3	.1								2.3	4.6
SSE	1.2	1.3	.4	.0								3.0	4.5
S	1.9	2.4	1.0	.1								5.4	4.6
SSW	1.4	1.6	1.2	.1								4.4	5.1
SW	.8	.7	.3	.0								2.0	4.3
WSW	.5	.3	.2									1.0	4.1
W	1.7	.9	.8	.2	.0	.0						2.9	5.7
WNW	1.3	1.6	1.5	1.2	.3	.0						6.0	7.8
NW	1.7	2.5	2.9	2.1	.5	.1						9.9	8.3
NNW	1.3	2.4	2.4	.9	.1	.0						7.1	7.1
VARBL													
CALM												44.9	
	17.1	19.3	12.6	5.0	1.0	.2						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

7200

3  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728 STATION DAVIDSON AAF/FT BELVOIR VA

68-73, 73-79

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0000-0200

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.8	1.2									3.3	5.1
NNE	.4	.9	.4									1.7	4.6
NE		.3	.1									.4	5.5
ENE	.2	.3										.5	4.2
E	.5	.1										.7	2.5
ESE	.4	.1										.5	2.2
SE	.8		.1									.9	3.4
SSE	1.2	.3	.1									1.6	3.3
S	2.3	1.7	.2									3.9	3.7
SSW	.9	.5	.5									2.0	4.7
SW	.4	.4										.9	3.3
WSW	.3	.3	.1									.8	4.6
W	.8	.9	.5									2.2	5.0
WNW	2.0	2.3	1.6	1.3	.2							7.4	6.9
NW	2.2	3.0	3.7	4.0	.4	.1						13.4	8.7
NNW	1.7	1.5	1.4	.7	.1							5.4	6.2
VARBL													
CALM												54.5	
	15.1	13.5	10.1	6.0	.8	.1						100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

923

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-73, 73-79  
YEARS

DEC  
MONTH

0300-0500  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.2	.9	.1								4.0	4.3
NNE	.5	.6	.1									1.3	4.1
NE	.5	.3	.1									1.0	3.7
ENE	.1	.3	.3									.8	5.6
E	.2	.3	.2									.8	5.7
ESE	.3											.3	1.7
SE	.5	.3										.9	3.3
SSE	.4	.5	.2									1.2	4.3
S	1.5	1.8		.2								3.6	4.2
SSW	.5	1.1	.5									2.2	5.1
SW	.6	.4										1.1	3.5
WSW	.4	.2	.2									.9	4.1
W	1.7	.6	.3									1.9	4.4
WNW	1.1	1.3	2.1	1.5	.3							6.3	8.4
NW	1.2	4.1	3.9	3.5	.5	.1						13.3	8.7
NNW	1.2	2.6	2.1	.4								6.3	5.9
VARBL													
CALM												54.3	
	12.1	15.9	10.9	5.7	.9	.1						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

43728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70,73-79  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.7	.9	.1								4.1	4.8
NNE	.3	.6										1.0	4.1
NE	.4	.4	.1									1.0	4.2
ENE		.1	.1									.2	6.5
E	.3	.3	.3									1.0	5.0
ESE	.2	.4										.6	3.8
SE	.3	.1										.4	2.8
SSE	.8	.8										1.5	3.8
S	2.1	.9	.8	.1								3.8	4.4
SSW	.8	.5	.4	.1								1.8	5.1
SW	.1	.4	.1									.6	4.7
WSW	.6	.6										1.3	3.4
W	1.0	1.2	.4	.1								2.7	4.7
WNW	1.0	2.4	2.3	1.4	.3	.2						7.6	8.2
NW	1.6	3.3	3.0	3.1	.3	.4	.1					11.7	9.2
NNW	1.1	1.6	2.5	.6								5.8	6.8
VARBL													
CALM												54.8	
	12.0	15.3	10.9	5.6	.6	.6	.1					100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.5	.6	.1	.1							4.8	4.9
NNE	1.2	1.7	.1									2.3	3.7
NE	1.2	.4										1.6	2.6
ENE	.3	.5										.9	3.4
E	1.4	1.0	.2	.1								2.7	3.8
ESE	.8	.5	.2									1.5	3.8
SE	.4	.6										1.1	3.6
SSE	1.2	.5	.5									2.3	4.1
S	1.7	2.7	1.0	.2								5.6	4.9
SSW	2.1	3.2	1.6	.1								7.0	5.1
SW	1.1	1.2	.6									2.9	4.4
WSW	.2	.3	.1									.6	4.3
W	1.2	1.2	.3	.5	.1							3.1	6.4
WNW	.4	1.5	1.6	2.1	.9	.9	.2					7.6	12.2
NW	1.2	1.8	4.7	4.9	1.7	.9						15.2	11.3
NNW	.8	2.3	3.9	2.2	.2							9.3	8.6
VARBL													
CALM												31.5	
	16.3	21.4	15.6	10.2	3.0	1.7	.2					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 924



3  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70,73-79  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1250-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.4	1.5	.3								5.7	5.8
NNE	.7	.8	.2	.1								1.7	4.8
NE	.3	1.0	.1									1.4	4.2
ENE	1.1	.5	.2									1.8	3.4
E	.7	.7	.3	.1								1.7	4.7
ESE	.5	.5	.1									1.2	3.7
SE	1.3	1.6	.2									3.2	3.8
SSE	1.1	2.1	.7									3.8	4.5
S	2.7	4.9	2.8	.4	.1							11.0	5.6
SSW	1.5	4.1	1.3	.2	.1							7.3	5.5
SW	.9	2.4	1.1	.1								4.5	5.6
WSW	.7	.9	.4	.2								2.2	5.5
W	1.0	2.1	1.3	.8	.1	.1						5.3	7.0
WNW	.9	1.4	2.3	2.7	1.1	.5	.2					9.1	11.7
NW	1.0	1.3	4.3	6.8	1.1	1.3	.4					16.3	12.4
NNW	.8	1.4	3.9	2.3								8.4	8.6
VARBL													
CALM												15.4	
	16.4	28.0	20.9	14.1	2.5	2.0	.7					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-73, 73-79  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.5	.9	.1								4.4	4.8
NNE	.8	.5	.1	.1								1.5	4.0
NE	.8	.8	.1									1.6	3.5
ENE	.7	.8	.1									1.5	3.8
E	1.4	.7	.5	.1								2.7	4.4
ESE	1.1	.2	.1	.1								1.5	3.6
SE	1.4	1.0	.4									2.8	3.9
SSE	2.6	2.3	.5									5.4	3.8
S	2.9	2.9	1.4	.5								7.8	4.8
SSW	2.2	2.5	1.2	.1	.1							6.1	5.0
SW	1.2	.7	1.1									2.9	4.7
WSW	.7	.9	.5									2.1	4.7
W	1.1	1.7	.4	.2		.1						3.6	5.8
WNW	.7	1.4	2.9	3.3	.9	.1	.2	.1				9.6	11.1
NW	1.2	1.6	4.2	3.9	1.7	.8	.1					12.9	11.1
NNW	1.6	3.1	3.6	1.4	.5	.1						10.3	7.9
VARBL													
CALM												23.1	
	22.1	22.5	18.3	9.9	2.5	1.1	.3	.1				100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

918

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.6	.4									3.6	4.6
NNE	.9	.4										1.3	2.7
NE	.1	.8	.2									1.1	4.9
ENE	.9	.3	.1									1.3	3.3
E	.9		.4	.1								1.4	4.7
ESE	1.0	.2	.1									1.3	3.1
SE	.4	.8	.1									1.3	4.4
SSE	1.5	1.4	.2									3.2	3.7
S	2.2	1.0	.4									3.6	3.6
SSW	.9	1.1	.5									2.5	4.7
SW	.2	.5	.2									1.0	5.1
WSW	.1	.3										.4	4.0
W	.7	.9	.7	.3								2.4	5.7
WNW	.5	1.6	1.5	1.6	1.2	.5						7.1	11.1
NW	1.2	2.8	4.6	2.2	1.1							11.9	9.0
NNW	1.2	2.0	2.3	.9								6.3	6.9
VARBL													
CALM												50.2	
	13.9	16.0	11.9	5.1	2.3	.5						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

916

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-73-79  
YEARS

DEC  
MONTH

2100-2300  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.3	.2									3.2	3.7
NNE	.1	.2	.1									1.4	2.5
NE	.2	.2	.3									.8	5.4
ENE	.4	.1										.5	2.6
E	.9	.1	.1	.1	.1							1.3	4.9
ESE	.2	.1										.3	2.0
SE	1.2	.3	.3									1.9	3.6
SSE	1.1	.5	.1									1.7	3.4
S	1.7	1.3	.4									3.5	4.0
SSW	1.1	.5	.3									2.0	3.7
SW	.4	.8										1.2	3.9
WSW	.9	.1	.1									1.1	3.2
W	.4	.5	.3	.1	.1							1.5	6.9
WNW	1.6	1.3	1.4	.9	.5	.2	.1					6.1	8.8
NW	1.4	3.8	3.4	2.8	1.2							12.7	8.8
NNW	2.5	2.4	1.4	.4	.2							7.0	5.6
VARBL													
CALM												53.8	
	16.9	13.8	8.6	4.4	2.2	.2	.1					100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

915

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

53728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-73, 73-79  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.7	.9	.1	.0							4.1	4.8
NNE	.7	.6	.1	.0								1.5	3.8
NE	.4	.5	.1									1.1	4.0
ENE	.5	.4	.1									1.0	3.8
E	.8	.4	.3	.1	.0							1.5	4.4
ESE	.6	.3	.1	.0								.9	3.3
SE	.8	.6	.1									1.5	3.7
SSE	1.2	1.1	.3									2.6	3.9
S	2.1	2.2	.9	.2	.0							5.4	4.7
SSW	1.2	1.7	.8	.1	.0							3.9	5.0
SW	.6	.9	.4	.0								1.9	4.7
WSW	.5	.5	.2	.0								1.2	4.4
W	.9	1.1	.5	.3	.0	.0						2.9	5.9
WNW	1.0	1.7	2.0	1.8	.7	.3	.1	.0				7.6	9.9
NW	1.4	2.7	4.0	3.9	.9	.4	.1					13.4	10.0
NNW	1.4	2.1	2.6	1.1	.1	.0						7.4	7.3
VARBL													
CALM												42.2	
	15.6	18.3	13.4	7.6	1.8	.8	.2	.0				100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

7364

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93728 STATION DAVISON AAF/FT BELVOIR VA STATION NAME 68-70,73-80 YEARS ALL MONTH ALL HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.9	1.0	.2	.0	.0	.0					4.9	5.1
NNE	.9	.7	.2	.0								1.8	3.9
NE	.7	.5	.1	.0								1.3	3.7
ENE	.6	.5	.1	.0								1.2	3.6
E	1.1	.7	.2	.0	.0							2.0	3.7
ESE	.9	.6	.2	.0								1.7	3.7
SE	1.0	1.0	.4	.1		.0						2.5	4.5
SSE	1.6	1.7	.7	.1	.0							4.0	4.5
S	2.6	2.9	1.3	.2	.0							7.0	4.6
SSW	1.4	1.8	1.1	.1	.0							4.4	5.1
SW	.8	.9	.4	.1	.0	.0						2.1	4.9
WSW	.6	.5	.2	.0	.0	.0						1.4	4.6
W	1.0	.9	.6	.2	.7	.0						2.7	5.6
WNW	1.0	1.1	1.1	.9	.2	.1	.0	.0				4.4	8.0
NW	1.5	2.0	2.6	1.9	.5	.1	.0	.0				8.6	8.6
NNW	1.7	2.3	2.3	1.0	.1	.0	.0					7.4	6.9
VARBL													
CALM												42.6	
	18.9	20.2	12.3	4.7	.9	.2	.0	.0				100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 87519

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93728  
STATION

DAVISON AAF/FT RELVOIR VA  
STATION NAME

68-70.73-89  
YEARS

ALL  
MONTH

INSTRUMENT  
CLASS

ALL  
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE.

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.5	.7	.2	.0							6.3	4.2
NNE	2.4	1.6	.5	.1								4.5	3.2
NE	2.0	1.4	.4	.1								3.9	3.9
ENE	1.8	1.4	.2	.0								3.4	3.6
E	2.9	1.8	.5	.1	.0							5.2	3.7
ESE	1.6	1.0	.3	.1								2.9	3.7
SE	1.3	1.0	.4	.1		.0						2.9	4.5
SSE	1.7	1.8	.6	.1	.0							4.2	4.5
S	2.2	2.3	.9	.1								5.5	4.3
SSW	1.1	1.2	.1	.1								2.7	4.3
SW	.7	.5	.1	.0								1.3	3.7
WSW	.5	.2	.0	.0								.7	3.5
W	.7	.4	.2	.0	.0							1.3	4.3
WNW	.7	.5	.4	.1	.0	.0						1.7	5.2
NW	.9	1.2	.9	.4	.1	.0						3.6	6.6
NNW	1.7	1.7	1.2	.3	.1	.0	.0					4.9	5.5
VARBL													
CALM												44.9	
	25.0	20.6	7.6	1.6	.2	.1	.0					101.0	2.4

TOTAL NUMBER OF OBSERVATIONS

9829

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for U.S. Navy and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side



EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\leq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq 5/16$	$\geq 0$
NO CEILING																
$\geq 1800$																
$\geq 1500$					91.0											92.6
$\geq 1200$																
$\geq 1000$																
$\geq 900$																
$\geq 800$																
$\geq 700$																
$\geq 600$																
$\geq 500$										97.4						98.1
$\geq 400$																
$\geq 300$																
$\geq 200$																
$\geq 100$																
$\geq 0$					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

SIGNAL CLIMATOLOGY BRANCH  
 WAFB  
 AIR STATION SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

DAVIDSON AAF/FT BELVOIR TX

62-7,73-8

YEARS

JAN  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

310-7100  
 HOURS IN YEAR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		5.0	52.1	52.5	52.7	52.7	52.7	52.7	52.7	52.8	52.5	52.9	53.0	53.1	53.1	53.1
≥ 20000		53.5	54.2	55.3	55.4	55.4	55.4	55.5	55.5	55.6	55.6	55.7	55.8	55.9	55.9	55.9
≥ 18000		53.5	54.2	55.3	55.4	55.4	55.4	55.5	55.5	55.6	55.6	55.7	55.8	55.9	55.9	55.9
≥ 16000		53.5	54.2	55.3	55.4	55.4	55.4	55.5	55.5	55.6	55.6	55.7	55.8	55.9	55.9	55.9
≥ 14000		54.3	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 12000		56.7	57.5	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 10000		61.9	62.1	62.5	62.5	62.5	62.5	62.7	62.7	62.8	62.8	62.9	63.1	63.2	63.2	63.2
≥ 9000		61.9	62.5	62.5	63.1	63.1	63.1	63.2	63.2	63.3	63.3	63.4	63.5	63.6	63.6	63.6
≥ 8000		65.5	65.5	65.4	65.5	65.5	65.5	65.7	65.7	65.8	65.8	65.9	66.1	66.1	66.1	66.1
≥ 7000		66.2	67.4	67.8	67.9	67.9	67.9	68.0	68.1	68.1	68.1	68.3	68.4	68.5	68.5	68.5
≥ 6000		67.5	68.9	69.4	69.8	69.8	69.8	69.9	69.9	70.0	70.1	70.1	70.2	70.3	70.3	70.3
≥ 5000		69.8	71.3	71.9	72.3	72.3	72.3	72.4	72.4	72.5	72.5	72.6	72.7	72.8	72.9	72.9
≥ 4500		71.2	72.3	73.7	74.1	74.1	74.3	74.5	74.5	74.6	74.6	74.8	74.9	75.1	75.1	75.1
≥ 4000		71.9	73.2	74.8	75.2	75.2	75.4	75.8	76.1	76.2	76.3	76.4	76.5	76.6	76.6	76.6
≥ 3500		74.6	76.5	77.7	78.1	78.1	78.3	79.1	79.2	79.4	79.5	79.6	79.7	79.8	79.8	79.8
≥ 3000		76.6	78.5	79.7	80.2	80.2	80.5	81.1	81.4	81.6	81.7	81.8	81.9	82.1	82.1	82.1
≥ 2500		77.1	79.1	81.4	81.9	81.9	81.3	81.9	82.1	82.3	82.4	82.6	82.7	82.8	82.8	82.8
≥ 2000		78.9	80.8	82.2	82.8	82.8	83.1	83.7	84.1	84.2	84.3	84.4	84.5	84.6	84.6	84.6
≥ 1800		77.4	81.4	82.7	83.3	83.3	83.6	84.3	84.5	84.7	84.8	84.9	85.0	85.2	85.2	85.2
≥ 1500		81.2	82.2	83.5	84.3	84.3	84.6	85.3	85.5	85.7	85.8	85.9	86.0	86.1	86.1	86.1
≥ 1200		80.6	82.9	84.4	85.4	85.5	85.8	86.5	86.7	86.9	87.1	87.1	87.2	87.3	87.3	87.3
≥ 1000		81.2	84.2	85.8	87.1	87.3	87.6	88.3	88.5	88.7	88.8	88.9	89.1	89.1	89.2	89.2
≥ 900		82.0	84.5	85.6	86.7	86.9	87.2	88.5	89.2	89.4	89.5	89.7	89.8	89.9	90.0	90.0
≥ 800		82.4	84.5	87.1	88.7	88.9	89.4	90.0	90.2	90.5	90.7	90.8	90.9	91.0	91.0	91.0
≥ 700		82.9	85.6	87.9	89.6	89.8	90.7	91.3	91.5	91.8	92.1	92.1	92.2	92.3	92.3	92.3
≥ 600		83.1	85.9	88.2	89.9	90.1	91.8	92.5	92.7	93.3	93.5	93.6	93.7	93.8	93.8	93.8
≥ 500		83.1	85.5	88.3	90.0	90.5	92.2	93.1	93.3	93.8	94.0	94.1	94.4	94.5	94.6	94.6
≥ 400		83.1	85.5	88.5	90.2	90.8	92.8	93.9	94.1	94.9	95.3	95.4	95.8	95.9	96.0	96.0
≥ 300		83.1	85.5	88.6	90.4	91.0	93.4	94.9	95.1	96.1	96.9	97.1	97.4	97.5	97.6	97.8
≥ 200		83.1	85.5	88.6	90.4	91.0	93.5	95.1	95.2	96.3	97.2	97.3	97.7	97.9	98.3	98.8
≥ 100		83.1	85.5	88.6	90.4	91.0	93.5	95.0	95.2	96.3	97.2	97.3	97.7	98.0	98.5	99.6
≥ 0		83.1	85.5	88.6	90.4	91.0	93.5	95.0	95.3	96.4	97.3	97.4	97.8	98.1	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 923

7  
3GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
8STATION NAME  
CAVISON AAF/FT BELVOIR VA

62-7-73-8

YEARS

MONTH  
JANPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)3.0-35.0  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING		51.1	52.7	52.5	52.8	52.8	52.8	52.8	52.9	52.7	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000		54.4	55.5	55.8	56.2	56.2	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 18000		54.4	55.5	55.8	56.2	56.2	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000		54.4	55.5	55.8	56.2	56.2	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 14000		55.5	56.1	56.4	56.7	56.7	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 12000		56.6	57.7	58.1	58.3	58.3	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 10000		61.3	62.3	62.7	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000		61.5	62.6	62.9	63.2	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 8000		64.5	65.7	66.1	66.5	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7000		66.3	67.4	67.9	68.2	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000		67.4	68.7	69.2	69.8	69.8	69.8	69.9	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000		69.3	70.6	71.3	72.0	72.0	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4500		71.8	72.1	73.3	73.9	74.3	74.3	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000		73.2	74.5	75.8	76.4	76.5	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500		75.1	76.5	78.1	78.7	78.8	78.8	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3000		77.3	78.7	80.2	81.1	81.2	81.2	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2500		77.9	79.9	81.4	81.3	81.4	81.4	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2000		73.2	79.8	81.3	82.5	82.6	82.6	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1800		73.3	81.1	81.8	83.1	83.2	83.2	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1500		79.5	81.2	82.5	84.2	84.3	84.4	84.7	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200		81.1	81.7	83.7	85.1	85.4	85.8	86.1	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1000		81.1	83.1	84.8	86.5	87.0	87.4	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 900		83.3	83.3	85.6	87.2	88.1	88.5	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800		81.5	84.2	86.7	88.4	89.2	89.8	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 700		82.3	84.8	87.3	89.4	90.2	90.9	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 600		82.6	85.3	88.1	90.2	91.3	92.1	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 500		83.1	85.8	88.6	91.1	92.2	93.6	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 400		83.3	85.8	88.6	91.3	92.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 300		83.1	85.8	88.6	91.5	92.6	94.4	95.1	95.2	95.5	95.9	96.1	96.2	96.4	96.5	96.9
≥ 200		83.1	85.8	88.6	91.5	92.7	94.6	95.5	95.8	96.0	96.5	96.8	97.2	97.4	97.7	98.1
≥ 100		83.1	85.8	88.6	91.5	92.7	94.6	95.5	95.8	96.0	96.5	96.8	97.2	97.4	97.7	98.1
≥ 0		83.1	85.8	88.6	91.5	92.7	94.6	95.5	95.8	96.0	96.5	96.8	97.2	97.4	97.7	98.1

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
1708

STATION NAME  
DAVISON AAF/FT BELVOIR VA

PERIOD  
60-71, 73-81

YEARS

MONTH  
JAN

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERIOD  
0600-1800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING		46.1	47.4	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.9
≥ 20000		51.2	52.5	52.5	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
≥ 18000		51.2	52.7	52.9	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.7
≥ 16000		51.3	52.7	52.9	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.7
≥ 14000		51.3	53.4	53.6	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.3
≥ 12000		54.1	55.4	55.6	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.5
≥ 10000		55.6	57.3	57.5	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4
≥ 9000		59.5	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	62.1
≥ 8000		63.3	65.1	65.4	65.9	65.9	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.5
≥ 7000		64.1	66.1	66.6	67.1	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.7
≥ 6000		65.1	67.7	67.5	68.1	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.8
≥ 5000		67.2	69.2	71.0	70.6	70.6	70.7	70.9	70.9	70.9	70.9	70.9	70.9	71.1	71.1	71.3
≥ 4500		68.8	71.9	71.9	72.4	72.5	72.6	72.8	72.8	72.9	72.9	72.9	72.9	73.1	73.1	73.4
≥ 4000		71.6	73.8	74.8	74.4	75.5	75.6	75.9	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.4
≥ 3500		73.8	75.8	77.1	77.9	78.1	78.2	78.5	78.5	78.6	78.6	78.6	78.6	78.7	78.7	79.1
≥ 3000		75.8	77.8	79.2	80.3	80.4	80.6	80.8	80.8	81.0	81.0	81.0	81.0	81.1	81.1	81.4
≥ 2500		76.1	79.4	80.1	81.2	81.3	81.5	81.7	81.7	81.8	81.8	81.8	81.8	81.9	81.9	82.4
≥ 2000		76.7	79.4	80.6	81.7	81.7	82.4	82.6	82.6	82.7	82.7	82.7	82.7	82.8	82.8	83.2
≥ 1800		76.9	79.9	81.2	82.5	82.6	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.8
≥ 1500		77.1	80.5	82.5	83.8	83.9	84.1	84.3	84.3	84.4	84.4	84.4	84.4	84.5	84.5	85.1
≥ 1200		73.4	81.8	83.2	84.8	85.0	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.8	85.8	86.4
≥ 1000		73.7	81.9	83.9	85.7	85.8	86.4	86.6	86.7	86.8	86.8	86.8	86.8	86.9	86.9	87.4
≥ 900		74.3	82.4	85.1	86.6	86.9	87.4	87.7	87.8	87.9	88.0	88.0	88.0	88.1	88.2	88.6
≥ 800		74.8	83.4	85.5	87.7	87.8	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.8	88.8	89.7
≥ 700		80.1	83.5	86.0	88.4	88.6	89.3	89.5	89.6	89.8	89.8	89.8	89.8	89.9	89.9	90.6
≥ 600		80.6	84.6	87.1	89.7	89.9	90.8	91.1	91.2	91.6	91.8	91.8	91.8	91.9	91.9	92.4
≥ 500		80.7	84.8	87.3	90.2	90.4	91.2	91.6	91.8	92.1	92.3	92.3	92.3	92.4	92.4	93.1
≥ 400		81.1	85.2	87.7	91.2	91.5	92.7	93.4	93.8	94.4	94.7	94.7	94.7	95.1	95.1	95.8
≥ 300		81.1	85.4	88.1	91.8	92.1	93.4	94.3	94.7	95.2	95.8	95.8	95.8	96.3	96.4	97.2
≥ 200		81.0	85.4	88.2	91.8	92.2	93.7	94.7	95.1	95.9	96.4	96.4	96.4	97.1	97.1	98.1
≥ 100		81.0	85.4	88.1	91.8	92.2	93.7	94.7	95.2	96.1	97.1	97.1	97.1	97.7	97.8	98.9
≥ 0		81.0	85.4	88.1	91.8	92.2	93.7	94.7	95.2	96.1	97.1	97.1	97.1	97.7	97.8	98.9

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1.3  
STATION

LAVERSON AAF/FT BELVOIR VA

59-70, 73-80

YEARS

JAN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1959-1960  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING		43.6	43.6	44.0	44.0	44.0	44.7	44.0	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.4
≥20000		47.6	48.9	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥18000		48.2	49.7	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.7
≥16000		48.5	49.6	49.7	49.7	49.7	49.7	49.7	49.8	49.8	49.9	49.9	49.9	49.9	49.9	50.0
≥14000		47.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥12000		51.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥10000		57.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥9000		58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥8000		63.6	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥7000		64.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥6000		66.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥5000		67.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥4500		70.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥4000		72.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥3500		73.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥3000		74.4	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥2500		75.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥2000		76.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥1800		76.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥1500		76.5	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥1200		77.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥1000		77.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥900		77.9	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥800		78.1	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥700		78.1	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥600		78.6	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥500		78.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥400		78.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥300		78.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥200		78.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥100		78.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥0		78.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAL

# CEILING VERSUS VISIBILITY

STATION  
7708

STATION NAME  
DAVISON AAF/FT BELVOIR VA

YEARS  
67-71, 73-8

MONTH  
JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (EST)  
12, 1-14, 15

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		41.2	41.5	41.6	41.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥20000		46.5	46.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥18000		46.3	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 16000		47.3	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 14000		47.7	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 12000		51.1	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 10000		59.1	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 9000		59.4	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 8000		63.2	64.1	64.3	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 7000		64.3	65.6	65.8	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 6000		66.2	67.4	67.6	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 5000		68.1	69.4	69.7	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 4500		70.3	71.4	72.5	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8
IV 4000		74.2	75.9	76.5	76.7	76.8	77.1	77.1	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.3
IV 3500		76.4	77.9	78.9	79.1	79.5	79.9	79.9	79.9	80.0	80.0	80.0	80.1	80.1	80.1	80.1
IV 3000		78.4	81.1	81.2	81.5	81.9	82.4	82.4	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6
IV 2500		78.9	80.6	81.8	82.1	82.6	83.0	83.0	83.0	83.1	83.1	83.1	83.2	83.2	83.2	83.2
IV 2000		79.9	81.3	82.7	83.0	83.4	83.9	84.0	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.3
IV 1800		79.7	81.4	82.8	83.1	83.5	84.0	84.2	84.3	84.4	84.4	84.4	84.5	84.5	84.5	84.5
IV 1500		80.3	82.1	83.5	84.4	84.8	85.3	85.3	85.6	85.8	85.8	85.8	85.9	85.9	85.9	85.9
IV 1200		81.7	82.7	84.1	85.1	85.4	85.9	86.1	86.3	86.5	86.5	86.5	86.6	86.6	86.6	86.6
IV 1000		81.2	83.1	84.6	85.6	86.1	86.9	87.2	87.3	87.6	87.7	87.7	87.8	87.8	87.8	87.8
IV 900		81.3	83.2	84.7	85.9	86.7	87.6	87.9	88.0	88.3	88.4	88.4	88.5	88.5	88.5	88.5
IV 800		81.5	83.5	85.3	87.2	88.1	88.9	89.2	89.3	89.6	89.9	89.9	90.0	90.0	90.0	90.0
IV 700		81.8	84.7	85.8	88.0	89.1	90.0	90.4	90.5	90.8	91.2	91.2	91.3	91.3	91.3	91.3
IV 600		82.0	84.5	86.8	89.1	90.4	91.7	92.1	92.2	92.5	93.0	93.0	93.1	93.1	93.1	93.1
IV 500		82.1	84.6	86.9	89.3	91.7	92.1	93.1	93.4	93.7	94.4	94.7	94.9	94.9	94.9	94.9
IV 400		82.7	85.2	87.4	90.0	91.5	92.9	94.6	95.2	95.9	96.6	97.1	97.3	97.3	97.3	97.3
IV 300		82.7	85.2	87.6	90.2	91.6	93.2	95.1	96.1	97.1	97.8	98.3	98.8	98.8	98.8	98.8
IV 200		82.7	85.2	87.6	90.3	91.7	93.3	95.5	96.4	97.6	98.4	98.8	99.5	99.5	99.6	99.6
IV 100		82.7	85.2	87.6	90.3	91.7	93.3	95.5	96.4	97.7	98.5	98.9	99.6	99.6	99.8	99.8
IV 0		82.7	85.2	87.6	90.3	91.7	93.3	95.5	96.4	97.7	98.5	98.9	99.6	99.6	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 724

3

CLIMATE CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
208

STATION NAME  
DIVISION AAF/FT BELVOIR VA

YEARS  
69-70, 73-81

MONTH  
JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS  
15, 0-1732

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING		44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥20000		51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥18000		52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥16000		52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥14000		53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥12000		55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥10000		61.7	61.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥9000		62.4	62.4	62.8	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥8000		66.5	66.5	67.0	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥7000		68.9	68.9	69.7	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥6000		69.9	69.9	69.9	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥5000		71.1	71.1	71.9	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥4500		73.1	73.1	73.5	74.0	74.0	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥4000		75.3	75.3	75.3	76.4	76.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥3500		77.4	77.4	77.4	77.4	77.4	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥3000		79.9	79.9	79.9	79.9	79.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥2500		81.9	81.9	81.9	81.9	81.9	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥2000		83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥1800		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥1600		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥1400		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥1200		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥1000		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥900		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥800		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥700		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥600		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥500		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥400		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥300		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥200		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥100		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥0		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7

TOTAL NUMBER OF OBSERVATIONS 224



## CEILING VERSUS VISIBILITY:

STATION	DAVISON AAF/FT BELVOIR VA
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69-75, 73-8

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

18-C-2.00

[illegible]TOTAL NUMBER OF OBSERVATIONS 974

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFS WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

STATION 1 DIVISION AAF/FT BELVOIR VA

69-70, 73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

21.9-23.0  
HOURS (EST)

CEILING -FEET-	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING		51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000		54.8	55.7	55.3	55.4	55.4	55.4	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.8	56.1
≥ 18000		54.3	55.2	55.3	55.4	55.4	55.4	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.8	56.1
≥ 16000		54.2	55.2	55.3	55.4	55.4	55.4	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.8	56.1
≥ 14000		55.3	55.7	55.8	55.7	55.6	55.6	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.4	56.6
≥ 12000		56.1	56.5	56.7	56.8	56.8	56.8	59.	59.	59.	59.	59.1	59.1	59.1	59.2	59.4
≥ 10000		63.3	64.3	64.5	64.7	64.7	64.7	64.9	64.9	64.9	64.9	65.	65.0	65.	65.2	65.4
≥ 9000		64.3	64.7	65.2	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.8	66.
≥ 8000		67.9	68.7	68.9	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.6	69.8
≥ 7000		69.7	70.5	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.4	71.6
≥ 6000		70.9	72.3	72.3	72.5	72.5	72.5	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.9	73.2
≥ 5000		73.2	74.7	74.6	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.3	75.5
≥ 4500		73.8	74.7	75.2	75.8	75.8	75.8	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.2	76.4
≥ 4000		75.3	76.4	76.9	77.6	77.6	77.6	77.9	77.9	77.9	77.9	78.0	78.0	78.	78.1	78.4
≥ 3500		78.1	79.4	80.1	80.8	81.0	81.0	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.7	82.0
≥ 3000		80.4	81.8	82.5	83.3	83.4	83.5	83.9	83.9	83.9	83.9	84.2	84.2	84.	84.3	84.6
≥ 2500		81.0	82.5	83.4	84.3	84.4	84.5	84.8	84.8	84.8	84.8	85.1	85.0	85.0	85.3	85.6
≥ 2000		82.3	83.8	84.7	85.6	85.7	85.8	86.1	86.1	86.3	86.3	86.4	86.4	86.4	86.7	87.
≥ 1800		82.8	84.5	85.5	86.4	86.5	86.6	86.9	86.9	87.	87.	87.1	87.1	87.1	87.4	87.8
≥ 1500		83.2	85.1	86.1	87.2	87.4	87.9	88.2	88.2	88.3	88.3	88.4	88.4	88.4	88.7	89.1
≥ 1200		83.7	85.5	86.6	87.7	88.0	88.4	88.7	88.7	88.9	88.9	89.	89.0	89.0	89.3	89.6
≥ 1000		84.5	86.5	87.6	89.1	89.4	90.2	90.5	90.5	90.6	90.6	90.7	90.7	90.7	91.0	91.3
≥ 900		85.3	87.4	88.7	90.4	90.7	91.5	91.9	91.9	92.0	92.0	92.1	92.1	92.1	92.4	92.7
≥ 800		85.5	87.4	89.	91.7	91.7	91.9	92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.9	93.2
≥ 700		85.6	87.8	89.0	91.5	91.8	92.5	93.1	93.1	93.2	93.2	93.3	93.3	93.3	93.6	93.9
≥ 600		85.7	87.9	89.5	91.9	92.2	93.2	93.6	93.6	94.0	94.0	94.2	94.2	94.2	94.5	94.8
≥ 500		85.9	88.	90.0	92.0	92.3	93.3	94.0	94.0	94.5	94.5	94.6	94.6	94.6	94.9	95.2
≥ 400		85.0	88.7	90.0	92.0	92.4	93.7	94.6	94.7	95.1	95.1	95.2	95.3	95.3	95.7	96.0
≥ 300		85.8	88.	90.0	92.0	92.5	93.9	94.9	95.1	95.7	95.8	96.	96.3	96.4	96.8	97.1
≥ 200		85.8	88.	90.0	92.0	92.5	93.9	95.1	95.3	96.1	96.3	96.9	97.2	97.5	97.9	98.7
≥ 100		85.8	88.	90.0	92.0	92.5	93.9	95.1	95.3	96.1	96.4	97.	97.3	97.6	98.2	99.0
≥ 0		85.8	88.	90.0	92.0	92.5	93.9	95.1	95.3	96.1	96.4	97.	97.3	97.6	98.2	99.0

TOTAL NUMBER OF OBSERVATIONS 924

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JOINT CLIMATOLOGY BRANCH  
AFETAC  
AIR PATRY SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

DAVISON AAF/FT BELVIDER VA

STATION NAME

5-7, 73-8

YEARS

JAN

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING		45.7	47.2	47.5	47.6	47.6	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.8
≥ 20000		51.6	52.4	52.5	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.9
≥ 18000		51.6	52.5	52.7	52.8	52.8	52.8	52.8	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.0
≥ 16000		51.6	52.4	52.6	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 14000		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 12000		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 10000		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 9000		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 8000		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 7000		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 6000		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 5000		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 4500		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 4000		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 3500		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 3000		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 2500		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 2000		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 1800		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 1500		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 1200		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 1000		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 900		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 800		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 700		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 600		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 500		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 400		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 300		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 200		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 100		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 0		51.6	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8

TOTAL NUMBER OF OBSERVATIONS 7191

LITY

AV

NTH

LL

HST

≥0

41.6

53.9

53.2

53.9

56.4

62.1

62.7

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72.4

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77.2

82.5

83.4

84.9

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87.4

90.1

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NATIONAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION NAME  
DAVISON AAF/FT BELVOIR VADATE  
04-70, 75-3MONTH  
FEBHOURS  
21-21PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING		51.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.1
≥20000		52.3	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.9
≥18000		52.1	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.9
≥16000		52.1	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.9
≥14000		52.5	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.4
≥12000		53.5	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.4
≥10000		56.3	57.2	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4
≥9000		56.5	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.7
≥8000		73.2	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.7
≥7000		74.7	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	74.3
≥6000		73.4	74.9	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.7
≥5000		75.3	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.9
≥4500		77.1	77.3	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.1
≥4000		78.8	81.1	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	82.1
≥3500		81.7	83.7	83.7	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.7
≥3000		81.3	83.9	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.6
≥2500		81.3	84.5	85.3	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.4
≥2000		83.3	85.8	86.6	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.7
≥1800		83.6	85.9	86.9	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	88.1
≥1500		84.4	86.8	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.8
≥1200		84.6	87.1	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.2
≥1000		85.3	87.8	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	90.1
≥900		85.9	87.9	89.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3
≥800		86.1	88.7	89.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3
≥700		86.2	88.8	89.2	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	90.4
≥600		86.3	88.9	89.3	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.5
≥500		86.4	89.2	89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	91.0
≥400		86.5	89.7	90.1	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.3
≥300		86.5	89.8	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.4
≥200		86.6	89.8	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.5
≥100		86.6	89.8	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.5
≥0		86.5	89.8	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.5

TOTAL NUMBER OF OBSERVATIONS 346

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH  
 REPORT  
 AND WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
 SAVITON AAF/FT PELVIC 11

67-72,73-8

FE8  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

300-73-1  
 HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		57.5	57.5	57.5	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	50.0
≥ 20000		57.5	57.5	57.5	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	50.0
≥ 18000		61.0	61.0	61.0	61.0	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 16000		61.0	61.0	61.0	61.0	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 14000		61.0	61.0	61.0	61.0	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 12000		61.0	61.0	61.0	61.0	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 10000		61.0	61.0	61.0	61.0	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 9000		61.0	61.0	61.0	61.0	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 8000		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 7000		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 6000		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 5000		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 4500		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 4000		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 3500		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 3000		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 2500		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 2000		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 1800		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 1500		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 1200		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 1000		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 900		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 800		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 700		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 600		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 500		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 400		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 300		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 200		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 100		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0
≥ 0		71.0	71.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0

TOTAL NUMBER OF OBSERVATIONS 346

CLIMATE BRANCH  
USAF ETAC  
METEOROLOGICAL SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
148

STATION NAME  
DAVIDSON AAF/FT BELVOIR VA

YEARS  
65-73, 73-30

MONTH  
FEB

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6.27-10.27  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥1	≥0
NO CEILING		54.4	57.2	57.0	57.5	52.5	52.5	52.5	57.5	52.5	52.5	52.6	52.6	52.6	52.7	52.7
≥ 20000		54.8	55.6	56.9	57.3	57.3	57.7	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.7	57.8
≥ 18000		54.5	55.6	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.7	57.8
≥ 16000		54.5	55.6	57.1	57.6	57.6	57.6	57.5	57.6	57.6	57.7	57.7	57.7	57.7	57.9	58.1
≥ 14000		55.7	55.6	57.9	59.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.7	58.9
≥ 12000		57.8	58.7	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.7	61.8
≥ 10000		61.6	61.7	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.8	63.9
≥ 9000		61.7	62.8	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.7	64.7	64.7	64.7	64.9	65.1
≥ 8000		60.4	67.7	69.1	67.7	69.9	69.9	69.9	69.9	69.9	71.1	71.1	71.1	71.1	71.2	71.3
≥ 7000		60.3	69.6	70.9	71.7	71.9	71.9	71.9	71.9	71.9	72.1	72.1	72.1	72.1	72.5	72.6
≥ 6000		73.1	71.4	72.8	73.6	73.8	73.9	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.5	74.6
≥ 5000		73.4	75.1	76.6	77.7	77.9	78.1	78.3	78.3	78.3	78.6	78.6	78.6	78.6	79.1	79.1
≥ 4500		74.7	76.5	78.3	79.2	79.4	79.7	79.8	79.8	79.8	80.1	80.1	80.1	80.1	80.5	80.6
≥ 4000		76.5	78.8	80.5	81.7	81.9	82.2	82.3	82.3	82.3	82.5	82.6	82.6	82.6	83.1	83.1
≥ 3500		78.1	80.4	82.1	83.3	83.6	83.9	84.0	84.1	84.1	84.6	84.6	84.6	84.6	85.1	85.1
≥ 3000		78.7	81.7	82.9	84.3	84.6	85.0	85.2	85.2	85.3	85.9	85.9	85.9	85.9	86.3	86.4
≥ 2500		77.8	82.2	83.8	85.2	85.7	86.2	86.4	86.4	86.5	87.1	87.1	87.1	87.1	87.5	87.6
≥ 2000		82.4	83.2	85.1	86.5	87.2	87.6	87.8	87.8	88.1	88.7	88.7	88.7	88.7	89.1	89.1
≥ 1800		81.5	83.3	85.1	86.6	87.1	87.7	87.9	87.9	88.2	88.6	88.6	88.6	88.6	89.2	89.4
≥ 1500		81.5	83.6	85.3	86.9	87.5	88.2	88.4	88.4	88.7	89.2	89.2	89.2	89.2	89.7	89.8
≥ 1200		81.6	83.4	85.7	87.2	87.9	88.7	88.9	88.9	89.1	89.7	89.7	89.7	89.7	90.2	90.3
≥ 1000		81.3	84.5	86.4	88.1	88.8	89.6	89.7	89.7	90.2	90.9	90.9	90.9	90.9	91.4	91.5
≥ 900		81.4	84.8	86.5	88.2	88.9	89.7	89.1	89.1	89.3	91.1	91.0	91.0	91.0	91.5	91.6
≥ 800		81.6	84.8	86.6	88.5	89.2	90.1	90.4	90.4	90.7	91.4	91.4	91.4	91.4	91.8	92.1
≥ 700		81.3	85.1	87.0	89.1	89.8	90.9	91.4	91.4	91.6	92.3	92.3	92.3	92.3	92.8	92.9
≥ 600		82.1	85.3	87.5	90.0	90.6	92.0	92.4	92.6	92.8	93.5	93.5	93.5	93.5	94.1	94.1
≥ 500		82.1	85.6	88.1	90.9	91.7	93.3	93.9	94.1	94.4	95.2	95.2	95.2	95.2	95.6	95.7
≥ 400		82.1	85.6	88.1	91.1	92.1	93.7	94.3	94.6	95.2	96.1	96.1	96.1	96.1	96.6	96.7
≥ 300		82.1	85.8	88.1	91.1	92.1	93.7	94.4	94.8	95.4	96.2	96.2	96.2	96.3	96.8	97.2
≥ 200		82.1	85.6	88.1	91.1	92.1	93.9	94.6	94.9	95.6	96.6	96.6	96.6	97.1	97.7	98.5
≥ 100		82.1	85.6	88.1	91.1	92.1	93.9	94.6	94.9	95.6	96.6	96.6	96.6	97.5	97.5	98.2
≥ 0		82.1	85.6	88.1	91.1	92.1	93.9	94.6	94.9	95.6	96.6	96.6	96.6	97.6	97.6	98.6

TOTAL NUMBER OF OBSERVATIONS 845

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

DAVISON AAF/FT BELVOIR VA

67-73,73-8

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

97-110  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5-16	≥¼	≥0
NO CEILING		47.5	48.2	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 20000		55.1	55.2	56.3	57.5	55.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 18000		55.3	56.1	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 16000		55.3	56.1	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 14000		55.7	56.4	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 12000		56.4	59.1	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 10000		62.3	63.1	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.1
≥ 9000		63.1	63.7	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9
≥ 8000		67.8	68.7	69.3	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.2
≥ 7000		69.3	69.9	70.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2
≥ 6000		70.7	71.3	71.9	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.6
≥ 5000		72.2	73.3	73.9	74.5	74.7	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2
≥ 4500		73.3	74.3	74.9	75.5	75.8	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.7
≥ 4000		77.1	78.3	78.8	79.6	79.8	80.0	80.0	80.1	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.4
≥ 3500		77.7	79.1	79.6	80.6	80.9	81.1	81.1	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.4
≥ 3000		78.6	80.1	80.9	82.3	82.5	82.7	82.7	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.2
≥ 2500		79.8	81.3	81.2	82.7	83.1	83.6	83.6	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	84.0
≥ 2000		79.7	81.4	82.4	83.9	84.2	85.1	85.2	85.3	85.3	85.6	85.6	85.6	85.7	85.7	85.7	85.8
≥ 1800		81.0	83.1	84.0	85.7	86.1	87.1	87.1	87.2	87.2	87.5	87.5	87.5	87.6	87.6	87.6	87.7
≥ 1600		81.2	83.7	84.5	85.5	86.9	87.8	87.9	88.1	88.1	88.3	88.3	88.3	88.4	88.4	88.4	88.5
≥ 1400		82.1	84.6	85.8	87.7	88.2	89.4	89.6	89.7	90.1	90.4	90.4	90.4	90.5	90.5	90.5	90.7
≥ 1200		82.2	84.8	85.9	87.9	88.4	89.7	90.1	90.1	90.4	90.8	90.8	90.8	90.9	90.9	90.9	91.1
≥ 1000		82.4	85.1	86.2	88.4	89.1	90.5	90.8	90.9	91.3	91.7	91.7	91.7	92.1	92.1	92.1	92.2
≥ 900		82.7	85.5	86.9	89.7	89.7	91.4	91.7	92.1	92.3	92.8	92.8	92.8	93.1	93.1	93.1	93.3
≥ 800		82.7	85.6	86.9	89.1	89.8	92.1	92.4	92.9	93.5	94.1	94.0	94.0	94.3	94.3	94.3	94.4
≥ 700		82.7	85.8	87.5	90.1	90.9	93.1	93.9	94.4	95.2	96.1	96.0	96.0	96.5	96.5	96.6	96.7
≥ 600		82.7	85.8	87.6	90.5	91.4	93.9	94.6	95.3	96.2	97.2	97.4	97.4	97.9	97.9	98.0	98.1
≥ 500		82.9	85.9	87.7	91.7	91.5	94.1	94.9	95.6	96.7	97.8	98.1	98.7	98.8	99.1	99.2	99.2
≥ 400		82.9	85.9	87.7	90.7	91.5	94.1	94.9	95.6	96.8	97.9	98.2	98.8	99.1	99.5	99.5	99.6
≥ 300		82.9	85.9	87.7	90.7	91.5	94.1	94.9	95.6	96.8	97.9	98.2	98.9	99.2	99.6	99.6	99.8
≥ 200		82.9	85.9	87.7	90.7	91.5	94.1	94.9	95.6	96.8	97.9	98.2	98.9	99.2	99.6	99.6	99.8
≥ 100		82.9	85.9	87.7	90.7	91.5	94.1	94.9	95.6	96.8	97.9	98.2	98.9	99.2	99.6	99.6	99.8
0		82.9	85.9	87.7	90.7	91.5	94.1	94.9	95.6	96.8	97.9	98.2	98.9	99.2	99.6	99.6	99.8

TOTAL NUMBER OF OBSERVATIONS 846

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
178

STATION NAME  
DAVISON AAF/FT BELVOIR VA

67-73, 73-67

YEARS

MONTH  
FEB

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

123-140  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 20000		57.4	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 18000		57.7	57.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 16000		57.7	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 14000		58.5	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 12000		60.4	61.2	61.2	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 10000		64.8	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 9000		65.5	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 8000		68.5	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 7000		70.1	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 6000		71.4	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 5000		73.0	74.7	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4500		74.9	76.1	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 4000		76.3	79.7	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3500		81.1	81.7	81.7	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 3000		81.2	82.5	82.5	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2500		81.6	83.3	83.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000		83.1	84.9	84.9	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800		83.3	85.2	85.2	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1500		84.7	85.9	85.9	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1200		85.3	87.4	87.4	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1000		85.6	87.7	87.7	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 900		85.8	88.1	88.1	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 800		86.2	89.5	89.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 700		86.4	89.9	89.9	91.8	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 600		86.4	88.5	88.5	91.8	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 500		86.4	88.9	88.9	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 400		86.5	89.1	89.1	92.4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 300		86.5	89.1	89.1	92.4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 200		86.5	89.1	89.1	92.4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 100		86.5	89.1	89.1	92.4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 0		86.5	89.1	89.1	92.4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1

TOTAL NUMBER OF OBSERVATIONS 846



GLOBAL CLIMATOLOGY PRNGCH  
JAF, IAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
8

STATION NAME  
DAVISON AAF/FT BELVOIR VA

YEARS  
57-73, 73-8

MONTH  
FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

53-177  
HOURS (151)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING		51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 20000		58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000		58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 16000		58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 14000		59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 12000		60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000		64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 9000		65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 8000		69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 7000		70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 6000		71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 5000		74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 4500		76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4000		77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3500		81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 3000		83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500		86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000		87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1800		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500		89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1200		90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1000		91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 900		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 800		93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 700		94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 600		94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 500		96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300		97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 200		97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 100		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 0		99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 8 LAVISON AAF/FT BELVOIR VA

68-74,73-8

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

8, 1-2, 10  
HOURS 11-17

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1	≥0
NO CEILING	56.8	56.8	56.9	56.9	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥20000	56.8	56.8	56.9	56.9	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥18000	61.1	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥16000	61.1	61.1	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥14000	61.7	61.7	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥12000	62.6	62.6	62.9	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥10000	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥9000	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥8000	69.5	69.5	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥7000	70.4	70.4	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥6000	72.8	72.8	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥5000	75.2	75.7	76.1	76.4	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥4500	76.7	77.7	77.7	77.9	78.1	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥4000	81.4	81.4	81.3	81.6	81.7	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥3500	81.6	82.3	83.1	83.3	83.5	83.9	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3
≥3000	83.1	83.3	84.8	85.2	85.3	85.8	86.2	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥2500	83.3	84.3	85.2	85.7	85.8	86.3	86.6	86.8	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥2000	84.3	85.8	86.8	87.4	87.6	88.4	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥1800	84.5	86.1	87.1	87.6	87.6	88.7	89.0	89.1	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥1500	85.1	86.9	87.3	88.5	88.8	89.7	90.1	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥1200	86.2	87.1	88.2	89.9	89.2	90.2	90.5	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥1000	87.5	87.5	88.7	89.6	89.3	91.3	91.7	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥900	88.5	87.5	88.7	89.0	90.8	91.8	92.4	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥800	88.5	87.5	88.8	89.3	91.3	92.6	93.1	93.4	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥700	88.6	87.9	89.2	91.1	92.6	93.9	94.4	94.8	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥600	88.6	87.9	89.2	91.3	92.8	94.3	95.2	95.5	95.6	96.2	96.2	96.3	96.3	96.3	96.3	96.3
≥500	88.6	87.9	89.2	91.5	93.1	94.6	95.7	96.1	96.2	96.8	96.8	97.5	97.5	97.5	97.5	97.5
≥400	88.6	87.9	89.2	91.6	93.4	94.9	96.1	96.5	96.7	97.3	97.5	98.5	98.6	98.7	98.7	98.7
≥300	88.6	87.9	89.2	91.6	93.4	94.9	96.1	96.6	96.9	97.5	97.8	98.7	98.8	98.9	98.9	98.9
≥200	88.6	87.9	89.4	91.7	93.5	95.0	96.2	96.7	97.0	97.6	97.9	98.9	99.2	99.4	99.6	99.6
≥100	88.6	87.9	89.4	91.7	93.5	95.0	96.2	96.7	97.3	97.6	97.9	98.9	99.2	99.5	99.8	99.8
≥0	88.6	87.9	89.4	91.7	93.5	95.0	96.2	96.7	97.3	97.6	97.9	98.9	99.2	99.5	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 340

3  
CLIMATE CLIMATOLOGY BRANCH  
AFSTAC  
AFS WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION 8 DEWISON AAF/FF BELVOIR VA

65-11,75-3

FEB  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21 2-23  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING		52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000		51.2	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.6
IV 18000		52.1	52.2	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7
IV 16000		52.3	52.3	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.1
IV 14000		53.4	53.6	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 12000		53.4	53.6	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.2
IV 10000		57.4	57.6	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.3
IV 9000		57.6	58.1	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.8
IV 8000		71.6	71.7	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.5
IV 7000		72.6	72.9	73.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.1
IV 6000		73.6	74.2	74.7	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.4
IV 5000		76.6	77.7	77.4	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.1
IV 4500		78.7	79.1	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.4
IV 4000		81.7	81.4	82.0	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	83.1
IV 3500		82.4	82.4	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.5
IV 3000		83.7	84.2	85.3	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.5
IV 2500		83.9	84.9	85.8	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	87.1
IV 2000		84.6	85.2	86.5	87.2	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	88.1
IV 1800		84.6	85.2	86.5	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.2
IV 1500		84.3	85.7	87.1	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.9
IV 1200		85.1	85.9	87.2	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.1
IV 1000		85.7	86.6	88.2	89.5	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	91.7
IV 900		85.8	87.7	88.5	90.3	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.5
IV 800		85.8	87.1	88.7	90.7	91.3	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	92.6
IV 700		85.7	87.5	89.4	91.6	92.2	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.5
IV 600		86.2	87.8	89.5	91.7	92.7	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	94.7
IV 500		86.4	88.1	89.7	92.1	93.0	93.5	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	95.7
IV 400		86.6	88.3	90.1	92.4	93.4	94.2	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	96.8
IV 300		86.8	88.5	90.1	92.6	93.5	94.0	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	97.7
IV 200		86.6	88.4	90.1	92.6	93.5	94.4	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	99.7
IV 100		86.6	88.4	90.1	92.6	93.5	94.4	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	99.7
IV 0		86.6	88.4	90.1	92.6	93.5	94.4	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 640

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR FORCE SERVICE/MAL

# CEILING VERSUS VISIBILITY

STATION NAME DAVILON AAF/FT BELVOIR VA

YEARS 67-71, 73-3

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING	5.4	5.4	51.2	11.6	51.6	51.7	51.7	51.7	51.8	51.8	51.8	51.8	52.1	52.2	52.2	52.5	
≥ 20000	5.4	55.4	56.1	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.8	57.2	57.2	57.1	57.4	
≥ 18000	5.4	55.4	56.1	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.8	57.2	57.2	57.1	57.4	
≥ 16000	5.4	55.4	56.1	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.8	57.2	57.2	57.1	57.4	
≥ 14000	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 12000	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 10000	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 9000	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 8000	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 7000	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 6000	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 5000	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 4500	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 4000	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 3500	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 3000	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 2500	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 2000	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 1800	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 1500	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 1200	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 1000	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 900	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 800	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 700	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 600	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 500	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 400	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 300	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 200	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 100	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	
≥ 0	56.5	56.5	57.6	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.6	58.9	

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH  
 USAF ETAC  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
 3

DAVISON AAF/FT BELLVOIR VA

64-75,75-c

YEARS

FEB  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING		53.3	54.7	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 20000		56.2	57.3	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 18000		57.7	57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 16000		57.1	57.4	57.3	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 14000		57.7	57.2	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 12000		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 10000		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 9000		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 7000		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 6000		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 5000		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 4500		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 4000		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 3500		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 3000		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 2500		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 2000		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 1800		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 1500		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 1200		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 1000		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 900		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 800		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 700		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 600		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 500		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 400		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 300		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 200		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 100		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 0		57.2	57.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3

TOTAL NUMBER OF OBSERVATIONS

5758

AIR FORCE CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

DAVISON AAF/FT BELVOIR VI

66-71, 73-5

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

324-0510  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING		47.8	42.4	40.4	37.5	34.7	32.7	29.8	28.3	25.1	23.7	20.9	19.0	15.1	13.2	10.3
≥ 20000		52.2	53.7	54.5	54.7	54.9	54.7	55.1	55.1	55.3	55.3	55.3	55.3	55.4	55.5	55.5
≥ 18000		52.2	53.7	54.5	54.7	54.9	54.7	55.1	55.1	55.3	55.3	55.3	55.3	55.4	55.5	55.6
≥ 16000		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 14000		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 12000		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 10000		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 9000		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 8000		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 7000		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 6000		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 5000		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 4500		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 4000		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 3500		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 3000		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 2500		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 2000		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 1800		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 1500		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 1200		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 1000		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 900		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 800		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 700		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 600		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 500		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 400		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 300		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 200		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 100		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7
≥ 0		52.3	53.9	54.6	54.8	55.1	55.1	55.2	55.1	55.4	55.4	55.4	55.4	55.5	55.6	55.7

TOTAL NUMBER OF OBSERVATIONS 231

3  
JULIAL CLIMATOLOGY BRANCH  
USAF, F.O.  
ALC WEATHER SERVICE/MAJ

## CEILING VERSUS VISIBILITY

STATION 3 JASON AAF/FT BELVOIR VA

60-73-2

YEARS

MAR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

600-800  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING		41.3	42.4	41.2	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥20000		46.2	47.5	48.7	49.7	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥18000		46.6	48.0	49.1	50.2	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥16000		46.6	49.2	49.2	50.2	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥14000		47.7	49.2	50.3	51.3	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥12000		47.7	50.2	52.3	53.2	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥10000		52.5	54.1	55.3	56.2	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥9000		53.2	54.7	55.9	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥8000		56.2	57.8	59.2	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥7000		58.7	59.6	61.0	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥6000		60.2	62.3	63.4	64.9	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥5000		63.3	65.7	67.1	68.6	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥4500		66.1	67.3	69.2	70.8	70.9	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥4000		68.7	70.9	72.8	74.7	74.8	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥3500		70.9	73.2	75.4	77.3	77.4	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥3000		71.7	74.4	76.6	78.5	78.6	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥2500		72.9	75.2	78.1	80.1	80.4	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥2000		73.8	77.1	79.8	81.7	82.2	82.6	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥1800		74.1	77.2	79.8	81.9	82.4	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥1500		74.1	77.7	80.4	82.7	83.2	83.7	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥1200		74.2	78.3	81.4	83.9	84.4	85.1	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥1000		75.2	79.7	81.9	84.4	84.9	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥900		75.6	79.6	82.8	85.5	86.1	86.9	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥800		75.6	80.7	83.7	87.0	87.7	88.6	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥700		75.8	80.3	84.2	87.6	88.6	89.5	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥600		75.9	80.4	84.5	88.1	89.0	89.9	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥500		75.9	80.8	84.8	88.7	89.7	90.6	91.1	91.8	92.2	92.6	92.7	92.7	92.7	92.7	92.7
≥400		75.9	80.8	85.3	89.6	90.6	91.5	92.5	93.5	94.0	94.5	94.7	94.7	94.9	94.9	94.9
≥300		75.9	80.8	85.5	89.8	91.3	93.2	94.4	95.1	95.8	96.1	96.1	96.1	97.1	97.4	97.4
≥200		75.9	80.8	85.5	89.8	91.4	93.5	95.2	95.8	96.7	97.0	97.1	97.1	98.1	98.3	98.4
≥100		75.9	80.8	85.6	89.9	91.5	93.7	95.3	96.1	96.9	97.3	97.4	97.4	98.4	98.7	99.6
≥0		75.9	80.9	85.6	89.9	91.5	93.7	95.3	96.0	96.9	97.3	97.4	97.4	98.4	98.7	99.2

TOTAL NUMBER OF OBSERVATIONS 93.

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

DAVISON AAF/FT BELVOIR VA

67-70, 73-81

YEARS

MONTH

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

9.07-1.00  
HOURS 1-11

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥1/20	≥0
NO CEILING		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 20000		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 18000		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 16000		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 14000		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 12000		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 10000		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 9000		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 8000		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 7000		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 6000		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 5000		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 4500		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 4000		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 3500		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 3000		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 2500		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 2000		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 1800		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 1500		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 1200		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 1000		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 900		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 800		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 700		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 600		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 500		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 400		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 300		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 200		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 100		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 0		42.5	43.1	44.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



CLIMATE CLIMATOLOGY BRANCH  
 WAFB  
 AIR WEATHER SERVICE / WAFB

# CEILING VERSUS VISIBILITY

STATION NAME LAKE ON AAF/FT BELVOIR VA

6-7-73-6

MAP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

270-2470  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥4	≥0
NO CEILING	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥20000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥18000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥16000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥14000	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥12000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥10000	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥9000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥8000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥7000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥6000	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥5000	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥4500	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥4000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥3500	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥3000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥2500	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥2000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥1800	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥1500	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥1200	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥1000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥900	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥800	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥700	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥600	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥500	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥400	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥200	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥100	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 270

3

LOCAL CLIMATOLOGY TRANCH  
AFLTAC  
ADDITIONAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

DAVISON AAF/FT BELVOIR VA

61-75, 74-8

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

31-1-71  
HOURS TEST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥16	≥1	≥0
NO CEILING	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 20000	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 16000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 14000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 12000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 10000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 9000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 8000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 7000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 6000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 5000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 4000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 3500	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 3000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 2500	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 2000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 1800	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 1500	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 1200	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 1000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 900	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 800	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 700	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 600	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 500	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 400	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 300	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 200	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 100	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 0	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7

TOTAL NUMBER OF OBSERVATIONS 93

CLIMATE CLIMATOLOGY BRANCH  
ETAC  
AT LEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

DAVIDSON AAF/FT BELVOIR VA

STATION NAME

69-70, 73-8

YEARS

MAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

16.7-2.7  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5-16	≥1	≥0
NO CEILING ≥ 20000		47.8	5 .	51.1	57.4	5 .6	57.2	57.6	57.4	57.6	57.4	57.6	57.4	57.6	57.4	57.6	57.4
≥ 18000		5.4	55.5	55.7	56.7	55.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6
≥ 16000		5.4	55.5	55.5	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6
≥ 14000		5.6	56.1	56.1	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 12000		7.2	57.5	57.7	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4
≥ 10000		5.4	59.4	5.5	59.8	5.5	6.2	59.3	57.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 9000		5.4	62.5	62.6	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.2	63.2
≥ 8000		53.1	63.5	63.7	64.3	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3
≥ 7000		55.9	66.3	66.1	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8
≥ 6000		46.5	67.3	67.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7
≥ 5000		57.7	68.7	68.4	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.1	69.1
≥ 4500		70.2	77.5	71.6	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6
≥ 4000		71.2	72.7	72.2	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8
≥ 3500		55.2	77.1	77.3	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2
≥ 3000		78.2	79.1	79.2	79.8	81.7	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 2500		81.1	82.2	82.4	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3
≥ 2000		82.2	84.2	84.4	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5
≥ 1800		84.3	85.7	86.3	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6	87.6
≥ 1500		84.3	86.3	87.2	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5
≥ 1200		85.7	87.3	88.3	89.1	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7
≥ 1000		86.1	87.8	88.5	89.5	9.5	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8
≥ 900		86.3	88.4	89.0	91.5	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8
≥ 800		86.2	89.9	91.4	91.9	92.9	93.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.2
≥ 700		87.1	89.5	91.1	92.9	93.9	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4
≥ 600		87.1	89.5	91.1	92.9	93.9	94.3	95.1	95.2	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2
≥ 500		87.2	89.7	91.7	93.8	94.3	95.6	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2
≥ 400		87.4	89.9	92.2	94.3	95.6	96.6	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.6	97.7	97.8
≥ 300		87.4	9 .	92.3	94.7	96.1	97.1	97.7	98.1	98.3	98.3	98.3	98.3	98.3	98.5	98.7	98.8
≥ 200		87.4	9 .	92.3	94.7	96.1	97.2	97.8	98.3	98.5	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 100		87.4	9 .	92.3	94.7	96.1	97.2	97.8	98.3	98.5	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 0		87.4	9 .	92.3	94.7	96.1	97.2	97.8	98.3	98.5	98.7	98.7	98.7	98.7	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 97.

JUNIOR CLIMATELOGY BRANCH  
JANUARY  
WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

STATION  
DIVISION AAF/FT BELVOIR VA

69-77,73-3

YEAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21 2-30  
HOURS 1151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING		52.6	52.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000		56.6	56.6	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 18000		56.6	56.6	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 16000		56.6	57.1	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	58.1
IV 14000		56.6	58.2	59.1	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 12000		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 10000		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 9000		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 8000		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 7000		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 6000		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 5000		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 4500		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 4000		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 3500		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 3000		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 2500		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 2000		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 1800		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 1500		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 1200		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 1000		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 900		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 800		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 700		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 600		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 500		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 400		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 300		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 200		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 100		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 0		56.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6

TOTAL NUMBER OF OBSERVATIONS 93

# CEILING VERSUS VISIBILITY

STATION

AVISON AAF/PT BELVOIR VA

10-7-73-8

YEARS

MAR

ALL  
HOURS OF DAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING ≥ 20000	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 16000	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 12000	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 10000	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 9000	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 8000	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 7000	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 6000	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 5000	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 4500	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 4000	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 3500	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 3000	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 2500	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 2000	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1800	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1500	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1200	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1000	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 900	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 800	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 700	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 600	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 500	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 400	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 300	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 200	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 100	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 0	47.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1

TOTAL NUMBER OF OBSERVATIONS

744

JOINT CLIMATOLOGY BRANCH  
AFAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION DAVISON AAF/FI BULLVOIR VA

DATE 5-7-73

MONTH APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

000-720  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥.	≥0
NO CEILING	52.5	55.5	56.5	57.3	57.3	57.5	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥20000	61.3	61.3	62.9	63.4	63.4	63.7	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.3
≥18000	61.6	62.1	63.1	63.7	63.7	63.9	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.6
≥16000	61.6	62.1	63.1	63.7	63.7	63.9	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.6
≥14000	62.0	62.9	63.6	64.3	64.3	64.6	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.2
≥12000	64.0	64.6	65.6	66.1	66.1	66.3	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.9	67.0
≥10000	64.4	64.9	65.9	66.4	66.4	66.7	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.3
≥9000	63.3	63.8	64.8	65.3	65.3	65.6	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.2
≥8000	73.4	74.1	75.6	76.2	76.2	76.7	76.9	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.8
≥7000	74.0	74.7	76.2	76.8	76.8	77.3	77.5	77.9	78.2	78.4	78.4	78.4	78.4	78.4	78.5	78.6
≥6000	76.7	77.3	78.8	79.4	79.4	79.9	80.1	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.9	81.0
≥5000	77.0	77.6	79.1	79.7	79.7	80.2	80.4	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.3
≥4500	79.5	80.1	81.6	82.2	82.2	82.7	83.0	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.8
≥4000	82.8	83.4	84.9	85.5	85.5	86.0	86.3	86.6	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.1
≥3500	84.0	84.6	86.1	86.7	86.7	87.2	87.5	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.3
≥3000	84.2	84.8	86.3	86.9	86.9	87.4	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.5
≥2500	84.6	85.2	86.7	87.3	87.3	87.8	88.1	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.9
≥2000	85.4	86.0	87.5	88.1	88.1	88.6	88.9	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.7
≥1800	85.7	86.3	87.8	88.4	88.4	88.9	89.2	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.9	90.0
≥1500	86.4	87.0	88.5	89.1	89.1	89.6	90.0	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.7	90.8
≥1200	87.2	87.8	89.3	89.9	89.9	90.4	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.5
≥1000	87.2	87.8	89.3	89.9	89.9	90.4	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.5
≥900	87.3	87.9	89.4	90.0	90.0	90.5	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.6
≥800	87.6	88.2	89.7	90.3	90.3	90.8	91.1	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.9
≥700	87.6	88.2	89.7	90.3	90.3	90.8	91.1	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.9
≥600	87.6	88.2	89.7	90.3	90.3	90.8	91.1	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.9
≥500	87.6	88.2	89.7	90.3	90.3	90.8	91.1	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.9
≥400	87.6	88.2	89.7	90.3	90.3	90.8	91.1	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.9
≥300	87.6	88.2	89.7	90.3	90.3	90.8	91.1	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.9
≥200	87.6	88.2	89.7	90.3	90.3	90.8	91.1	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.9
≥100	87.6	88.2	89.7	90.3	90.3	90.8	91.1	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.9
≥0	87.6	88.2	89.7	90.3	90.3	90.8	91.1	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.9

TOTAL NUMBER OF OBSERVATIONS 900

3  
3  
CLIMATE BRANCH  
AFAC  
AFAC SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION DAVISON AAF/FT BELVOIR VA

55-73-8

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

330-570  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥1/16	≥0
NO CEILING		55.4	53.7	54.7	55.9	55.9	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.6
≥20000		55.3	58.7	58.1	61.1	61.1	61.7	61.2	61.4	61.6	61.5	61.6	61.6	61.6	61.6	61.6
≥18000		55.9	58.1	61.1	61.1	61.1	61.7	61.2	61.4	61.6	61.5	61.6	61.6	61.6	61.6	61.6
≥16000		55.7	58.1	61.1	61.1	61.1	61.2	61.2	61.4	61.6	61.5	61.6	61.6	61.6	61.6	61.6
≥14000		56.2	58.1	61.4	61.4	61.4	61.6	61.6	61.8	61.9	61.7	61.9	61.9	61.9	61.9	61.9
≥12000		56.8	61.1	63.7	64.7	64.7	64.1	64.3	64.7	64.4	64.4	64.4	64.4	64.4	64.4	64.7
≥10000		62.8	64.7	66.9	67.8	67.8	68.1	68.1	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.7
≥9000		62.8	65.1	67.1	68.9	68.9	68.2	68.2	68.4	68.6	68.7	68.7	68.7	68.7	68.7	68.9
≥8000		67.1	69.4	71.3	72.3	72.3	72.7	72.7	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.3
≥7000		67.1	71.4	73.3	74.3	74.3	74.7	74.7	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.3
≥6000		73.1	73.1	75.2	76.2	76.2	76.6	76.6	76.8	77.3	77.1	77.1	77.3	77.3	77.3	77.6
≥5000		71.3	75.4	77.6	78.6	78.6	78.9	78.9	79.1	79.3	79.4	79.4	79.7	79.7	79.7	79.9
≥4500		73.9	76.6	78.7	79.7	79.7	80.7	80.7	80.2	80.4	80.6	80.6	80.8	80.8	80.8	81.1
≥4000		76.9	79.9	81.9	82.9	82.9	83.2	83.2	83.4	83.7	83.8	83.8	84.3	84.3	84.3	84.2
≥3500		75.1	81.1	83.3	84.3	84.3	84.7	84.7	84.9	85.1	85.2	85.2	85.4	85.4	85.4	85.7
≥3000		70.1	62.4	64.7	65.8	65.8	66.1	66.2	66.4	66.7	66.8	66.8	67.3	67.3	67.3	67.2
≥2500		79.7	83.1	85.2	86.3	86.3	86.7	86.8	87.1	87.2	87.3	87.3	87.6	87.6	87.6	87.6
≥2000		81.1	84.2	86.4	87.6	87.6	87.9	88.1	88.2	88.4	88.6	88.6	89.1	89.1	89.1	89.1
≥1800		81.1	84.6	86.8	87.9	87.9	88.2	88.3	88.6	88.8	88.9	88.9	89.1	89.1	89.1	89.3
≥1500		81.4	85.2	87.6	88.7	88.8	89.1	89.2	89.4	89.7	89.8	89.8	90.1	90.1	90.1	90.2
≥1200		82.8	86.3	89.1	90.3	90.4	90.8	90.9	91.1	91.3	91.4	91.4	91.7	91.7	91.7	91.9
≥1000		82.8	87.1	89.4	90.8	90.8	91.2	91.3	91.6	91.8	91.9	91.9	92.1	92.1	92.1	92.3
≥900		82.8	87.3	89.1	90.3	90.6	92.0	92.1	92.3	92.6	92.7	92.7	92.9	92.9	92.9	93.1
≥800		85.1	87.7	89.4	90.9	92.1	92.8	93.1	93.2	93.4	93.6	93.6	93.8	93.8	93.8	94.1
≥700		83.2	88.1	91.1	92.4	92.7	93.3	93.6	93.8	94.1	94.1	94.1	94.3	94.3	94.3	94.6
≥600		83.3	88.1	91.3	92.8	93.1	94.3	94.6	94.8	95.1	95.1	95.1	95.4	95.4	95.4	95.7
≥500		83.6	88.3	91.9	93.3	93.6	95.1	95.2	95.4	95.7	95.8	95.8	96.1	96.1	96.1	96.3
≥400		83.6	88.6	92.2	94.1	94.3	95.8	96.2	96.4	96.7	96.8	96.8	97.1	97.1	97.1	97.3
≥300		83.6	88.6	92.2	94.2	94.4	95.9	96.4	96.7	96.9	97.3	97.3	97.7	97.7	97.8	98.1
≥200		87.1	88.7	92.3	94.4	94.7	96.1	96.7	96.9	97.1	97.6	97.6	98.1	98.1	98.1	98.4
≥100		83.6	88.7	92.3	94.4	94.7	96.1	96.7	96.9	97.3	98.1	98.1	98.8	98.8	98.8	99.3
≥0		83.9	88.8	92.4	94.6	94.8	96.2	96.8	97.1	97.4	98.2	98.2	99.1	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 920

3

CLIMATE BRANCH  
AFETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION NAME  
DAVISON AAF/FT SELLVOIP VA

STATION NUMBER  
54-77,73-87

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2673-1377  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		44.3	48.4	49.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000		5.1	52.3	53.3	55.3	55.3	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3
≥ 18000		5.2	52.7	53.4	55.4	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8
≥ 16000		5.6	53.2	54.3	55.4	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8
≥ 14000		5.7	53.3	54.4	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9
≥ 12000		5.8	53.7	54.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2
≥ 10000		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 9000		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 8000		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 7000		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 6000		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 5000		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 4500		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 4000		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 3500		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 3000		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 2500		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 2000		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 1800		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 1500		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 1200		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 1000		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 900		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 800		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 700		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 600		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 500		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 400		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 300		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 200		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 100		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 0		5.9	53.8	54.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



3

LOCAL CLIMATOLOGY BRANCH  
 WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION NAME  
 LAMAR AAF/FT BELVOIR VA

PERIOD  
 64-71, 73-81

MONTH  
 APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

19.7-1.7  
 HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 20000	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 18000	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 16000	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 14000	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 12000	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 10000	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 9000	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 8000	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 7000	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 6000	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 5000	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 4500	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 4000	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 3500	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 3000	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 2500	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 2000	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 1800	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 1500	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 1200	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 1000	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 900	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 800	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 700	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 600	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 500	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 400	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 300	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 200	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 100	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 0	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NAME: DAVISON AAF/FT BELVOIR VA MONTH: APR  
STATION NAME: 62-71,73-3 YEARS: 1962-1964

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12.3-14  
HOURS EST

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥.1
NO CEILING	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 18000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 16000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 14000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 12000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 10000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 9000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 8000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 7000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 6000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 5000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 4500	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 4000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 3500	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 3000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 2500	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 2000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 1800	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 1500	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 1200	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 1000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 900	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 800	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 700	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 600	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 500	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 400	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 300	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 200	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 100	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4

TOTAL NUMBER OF OBSERVATIONS: 9

3  
FEDERAL BUREAU OF INVESTIGATION  
U.S. DEPARTMENT OF JUSTICE  
WASHINGTON, D.C. 20535

# CEILING VERSUS VISIBILITY

STATION NAME  
DAVISON AFB/FT BELVOIR VA

STATION NUMBER  
57-71,75-8

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15.3-17.7  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 20000		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 18000		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 16000		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 14000		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 12000		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 10000		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 9000		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 8000		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 7000		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 6000		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 5000		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 4500		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 4000		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 3500		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 3000		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 2500		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 2000		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 1800		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 1500		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 1200		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 1000		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 900		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 800		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 700		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 600		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 500		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 400		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 300		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 200		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 100		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 0		52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION DAVIDSON AAF/FT BELVOIR VA

YEARS 65-70, 73-81

APP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2100  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	54.1	54.6	54.6	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 18000	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 16000	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 14000	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 12000	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 10000	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 9000	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 8000	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 7000	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 6000	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 5000	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 4500	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 4000	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 3500	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 3000	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 2500	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 2000	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 1800	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 1500	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 1200	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 1000	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 900	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 800	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 700	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 600	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 500	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 400	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 300	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 200	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 100	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 0	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9

TOTAL NUMBER OF OBSERVATIONS 677

CLIMATE CLIMATOLOGY BRANCH  
U.S. AIR FORCE  
AF WEATHER SERVICE/MAL

# CEILING VERSUS VISIBILITY

STATION: WILSON AAF/FT BELVOIR VA YEARS: 67-70, 73-8 MONTH: APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1.0-257  
HOURS IN ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		53.7	58.6	53.8	50.1	54.1	59.7	59.2	54.7	57.2	59.2	59.2	57.2	59.2	59.2	57.2
≥ 20000		62.2	63.5	63.0	60.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 18000		63.6	63.7	64.1	60.4	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 16000		63.6	63.7	64.1	60.4	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 14000		64.0	64.3	64.6	60.9	64.7	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 12000		66.0	66.3	66.4	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 10000		71.7	71.7	71.9	72.6	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 9000		72.3	72.3	72.6	72.2	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 8000		76.3	77.6	77.8	78.4	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 7000		76.2	78.2	79.1	79.8	79.6	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 6000		81.6	81.2	80.4	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 5000		82.2	83.7	83.4	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 4500		83.2	84.0	84.4	85.4	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 4000		86.5	87.7	88.2	89.2	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 3500		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 3000		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2500		92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2000		93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1800		94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1500		95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1200		95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000		96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 900		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 800		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700		97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400		99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 300		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 902

7  
3

6L AL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE / MAC

# CEILING VERSUS VISIBILITY

STATION NAME: DIVISION AAF/FT PELVOIR VA STATION NUMBER: 37-71,73-6 YEARS: APP MONTH: ALL HOURS: 1-24

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	52.3	53.2	53.8	54.2	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	57.5	58.5	59.2	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9
≥ 18000	57.7	58.7	59.3	59.8	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 16000	57.7	58.8	59.4	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 14000	59.3	59.7	60.1	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 12000	59.5	59.9	60.2	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 10000	64.9	66.2	66.8	67.3	67.3	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 9000	65.2	66.4	67.1	67.6	67.6	67.7	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0
IV 8000	71.7	71.9	71.9	72.5	72.5	72.5	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9
IV 7000	71.7	72.4	73.3	73.8	73.8	74.0	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3
IV 6000	72.8	74.7	75.1	75.7	75.7	75.9	75.9	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.2	76.2
IV 5000	75.5	77.1	78.1	78.8	78.8	79.0	79.0	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.4
IV 4500	78.8	78.4	79.4	80.1	80.1	80.3	80.3	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.7
IV 4000	81.2	83.0	84.1	84.9	85.0	85.2	85.2	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 3500	82.7	84.5	85.6	86.5	86.6	86.8	86.8	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2
IV 3000	83.9	85.3	87.0	87.9	88.0	88.2	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7
IV 2500	84.7	86.7	87.9	88.9	89.0	89.2	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7
IV 2000	85.5	87.6	88.8	89.8	89.9	90.2	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.7
IV 1800	87.7	87.9	89.1	90.1	90.3	90.5	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0
IV 1500	88.4	88.9	90.3	91.4	91.6	91.8	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4
IV 1200	87.4	89.7	91.3	92.5	92.7	93.0	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.6
IV 1000	87.4	90.7	91.8	93.1	93.4	93.7	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3
IV 900	87.7	91.3	92.3	93.6	93.9	94.3	94.5	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9
IV 800	87.8	91.7	92.6	94.1	94.4	94.9	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.6
IV 700	88.0	91.8	92.9	94.5	94.9	95.4	95.7	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.2
IV 600	88.0	91.8	93.1	94.8	95.3	95.9	96.3	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.8
IV 500	88.0	91.8	93.2	95.3	95.6	95.9	97.0	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6
IV 400	88.0	91.8	93.3	95.2	95.8	96.8	97.5	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.5
IV 300	88.1	91.8	93.3	95.2	95.9	95.9	97.8	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.9
IV 200	88.1	91.8	93.3	95.3	96.0	97.0	97.8	98.2	98.5	98.9	98.9	98.9	98.9	98.9	98.9	99.0
IV 100	88.1	91.8	93.3	95.3	96.0	97.0	97.8	98.2	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.1
IV 0	88.1	91.8	93.3	95.3	96.0	97.0	97.8	98.2	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.1

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
78

STATION NAME  
DAVISON AAF/FT BELVOIR VA

YEARS  
69-70, 73-81

MONTH  
MAY

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-5200  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		45.6	47.4	51.7	54.2	54.4	54.7	54.9	55.1	55.1	55.4	55.4	55.4	55.4	55.5	55.8
≥ 20000		5.6	54.5	57.1	61.2	60.4	60.8	61.2	61.3	61.3	61.6	61.6	61.6	61.6	61.7	62.0
≥ 18000		5.9	54.7	57.3	61.4	60.6	61.0	61.4	61.5	61.5	61.8	61.8	61.8	61.8	61.9	62.3
≥ 16000		5.9	54.7	57.3	61.4	60.6	61.0	61.4	61.5	61.5	61.8	61.8	61.8	61.8	61.9	62.3
≥ 14000		6.2	55.9	58.0	61.7	61.9	62.3	62.7	62.8	62.8	63.1	63.1	63.1	63.1	63.2	63.5
≥ 12000		53.9	57.7	61.4	63.5	63.9	64.1	64.5	64.6	64.6	64.9	64.9	64.9	64.9	65.1	65.4
≥ 10000		57.3	61.3	63.5	66.4	66.6	68.9	69.4	69.5	69.5	69.9	69.8	69.8	69.8	69.9	70.7
≥ 9000		58.0	62.7	66.1	69.2	69.5	71.3	71.4	71.5	71.5	71.9	71.9	71.9	71.9	71.9	71.3
≥ 8000		60.9	66.7	69.7	71.9	73.2	74.0	74.4	74.5	74.5	74.8	74.8	74.8	74.8	74.9	75.3
≥ 7000		62.3	67.4	71.1	74.5	74.8	75.6	76.0	76.1	76.1	76.5	76.5	76.5	76.5	76.6	76.9
≥ 6000		62.7	67.8	71.8	75.2	75.5	76.2	76.7	76.8	76.8	77.1	77.1	77.1	77.1	77.2	77.5
≥ 5000		64.3	69.8	73.9	77.4	77.7	78.5	78.9	79.1	79.1	79.4	79.4	79.4	79.4	79.5	79.8
≥ 4500		64.9	70.2	74.6	78.2	78.5	79.2	79.7	79.8	79.8	80.1	80.1	80.1	80.1	80.2	80.5
≥ 4000		66.9	72.5	77.6	81.4	81.7	82.5	82.9	83.0	83.0	83.3	83.3	83.3	83.3	83.4	83.8
≥ 3500		67.8	73.9	78.6	82.7	83.3	83.8	84.2	84.3	84.3	84.6	84.6	84.6	84.6	84.7	85.1
≥ 3000		68.0	74.1	79.0	84.3	84.6	85.4	85.9	86.1	86.1	86.3	86.3	86.3	86.3	86.5	86.8
≥ 2500		69.8	75.5	80.2	85.6	85.9	86.7	87.2	87.3	87.3	87.6	87.6	87.6	87.6	87.7	88.1
≥ 2000		69.1	75.6	81.0	86.5	86.8	87.5	88.2	88.3	88.3	88.6	88.6	88.6	88.6	88.7	89.1
≥ 1800		69.1	75.6	81.0	86.5	86.8	87.7	88.4	88.5	88.5	88.8	88.8	88.8	88.8	88.9	89.2
≥ 1500		69.2	75.7	81.1	86.6	87.1	88.0	88.6	88.8	88.8	89.1	89.1	89.1	89.1	89.2	89.6
≥ 1200		69.7	75.3	81.9	87.5	88.1	89.2	90.0	90.2	90.2	90.5	90.5	90.5	90.5	90.6	91.0
≥ 1000		71.3	77.3	83.1	89.7	89.6	90.8	91.5	91.7	91.7	92.3	92.3	92.3	92.3	92.2	92.5
≥ 900		71.3	77.2	83.2	89.6	89.9	92.3	92.8	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.8
≥ 800		71.5	77.4	83.8	91.3	91.6	92.8	93.5	93.9	93.9	94.2	94.2	94.2	94.2	94.3	94.6
≥ 700		71.8	77.8	84.1	91.7	92.5	93.7	94.4	94.7	94.7	95.1	95.1	95.1	95.1	95.2	95.5
≥ 600		71.0	78.1	84.5	91.9	93.8	95.3	96.2	96.6	96.6	96.9	96.9	96.9	96.9	97.0	97.3
≥ 500		71.1	78.2	84.8	92.4	94.2	96.1	97.2	97.5	97.5	97.8	97.8	97.8	97.8	98.0	98.4
≥ 400		71.2	78.2	84.8	92.4	94.2	96.1	97.3	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.5
≥ 300		71.1	78.2	84.8	92.6	94.5	96.6	97.7	98.1	98.2	98.7	98.7	98.7	98.7	98.8	99.2
≥ 200		71.1	78.2	84.8	92.6	94.5	96.6	97.7	98.1	98.2	98.9	98.9	98.9	99.1	99.2	99.6
≥ 100		71.1	78.2	84.8	92.6	94.5	96.6	97.7	98.1	98.2	98.9	98.9	98.9	99.1	99.2	99.9
≥ 0		71.1	78.2	84.8	92.6	94.5	96.6	97.7	98.1	98.2	98.9	98.9	98.9	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 933

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

DAVISON AAF/FT BELVOIR VA

69-77,73-8

YEARS

MAY

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

307-7500  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		38.7	43.7	46.1	43.8	49.6	50.4	51.6	51.7	52.0	52.0	52.0	52.0	52.0	52.0	53.2
≥ 20000		41.9	47.2	5.1	52.8	51.9	54.7	55.9	56.0	56.3	56.3	56.3	56.3	56.9	57.1	57.5
≥ 18000		41.9	47.3	5.1	52.9	54.1	54.8	56.0	56.1	56.5	56.5	56.5	56.5	57.0	57.2	57.6
≥ 16000		42.1	47.3	5.1	52.9	54.1	54.8	56.1	56.1	56.5	56.5	56.5	56.5	57.0	57.2	57.6
≥ 14000		42.4	47.6	5.4	52.2	54.3	55.3	56.5	56.7	57.0	57.0	57.0	57.0	57.5	57.7	58.3
≥ 12000		43.2	48.5	51.4	54.2	55.3	56.2	57.4	57.6	58.0	58.1	58.1	58.1	58.5	58.7	59.2
≥ 10000		46.1	51.3	54.9	58.1	59.2	61.3	61.8	62.1	62.4	62.5	62.5	62.5	63.0	63.2	63.9
≥ 9000		46.5	52.3	55.4	58.4	59.7	60.9	62.4	62.6	62.9	63.0	63.0	63.0	63.5	63.8	64.4
≥ 8000		50.1	55.7	59.5	62.6	63.9	65.1	66.6	66.8	67.1	67.4	67.4	67.4	68.0	68.2	68.9
≥ 7000		51.7	58.2	61.4	64.6	65.9	67.1	68.6	68.8	69.1	69.5	69.5	69.5	70.0	70.2	70.9
≥ 6000		52.1	58.3	61.7	64.9	66.2	67.4	68.9	69.1	69.5	69.8	69.8	69.8	70.3	70.5	71.2
≥ 5000		53.8	60.4	64.2	67.4	68.8	70.0	71.5	71.7	72.1	72.4	72.4	72.4	72.9	73.1	73.9
≥ 4500		54.5	61.4	65.6	68.8	70.2	71.6	73.1	73.3	73.7	74.1	74.1	74.1	74.5	74.7	75.5
≥ 4000		56.0	63.1	67.6	71.1	72.5	73.9	75.4	75.6	75.9	76.2	76.2	76.2	76.8	77.0	77.7
≥ 3500		56.6	64.1	68.5	72.4	73.8	75.2	76.7	76.9	77.2	77.5	77.5	77.5	78.1	78.3	79.3
≥ 3000		57.3	64.7	69.4	73.8	75.2	76.7	78.2	78.4	78.7	79.0	79.0	79.0	79.6	79.8	80.5
≥ 2500		57.7	65.5	70.3	74.7	76.1	77.6	79.1	79.4	79.7	80.0	80.0	80.0	80.5	80.8	81.5
≥ 2000		58.2	66.2	71.2	75.7	77.2	78.8	80.3	80.5	80.9	81.2	81.2	81.2	81.7	81.9	82.7
≥ 1800		58.3	66.3	71.3	75.9	77.4	79.0	80.5	80.8	81.1	81.4	81.4	81.4	81.9	82.2	82.9
≥ 1500		58.9	67.1	72.1	76.7	78.2	79.9	81.6	81.8	82.2	82.5	82.5	82.5	83.0	83.2	84.0
≥ 1200		60.0	68.5	74.0	78.6	80.2	82.0	83.8	84.1	84.3	84.6	84.6	84.6	85.2	85.4	86.1
≥ 1000		61.0	69.7	75.5	80.6	82.3	84.2	85.9	86.1	86.5	86.8	86.8	86.8	87.3	87.5	88.3
≥ 900		61.4	70.2	76.5	81.7	83.5	85.7	87.4	87.7	88.1	88.4	88.4	88.4	88.9	89.1	89.9
≥ 800		62.0	71.1	78.1	83.7	85.7	88.0	89.7	90.1	90.4	90.8	90.8	90.8	91.3	91.5	92.3
≥ 700		62.3	71.3	78.5	84.4	86.6	88.9	90.6	91.1	91.4	91.7	91.7	91.7	92.3	92.5	93.2
≥ 600		62.5	71.6	78.9	85.6	87.8	90.5	92.3	92.6	93.1	93.5	93.5	93.5	94.1	94.3	95.1
≥ 500		62.5	71.9	79.4	86.1	88.7	91.5	93.3	93.9	94.4	94.9	94.9	94.9	95.5	95.7	96.5
≥ 400		62.5	71.9	79.5	86.3	88.9	92.0	94.0	94.5	95.1	95.9	95.9	95.9	96.5	96.7	97.4
≥ 300		62.5	71.9	79.5	86.5	89.1	92.5	94.6	95.2	95.7	96.6	96.6	96.6	97.1	97.5	98.4
≥ 200		62.5	71.9	79.5	86.5	89.0	92.5	94.6	95.2	95.8	96.8	96.8	96.8	97.5	98.0	98.8
≥ 100		62.5	71.9	79.5	86.5	89.0	92.5	94.6	95.2	95.8	96.8	96.8	96.8	97.6	98.1	99.1
≥ 0		62.5	71.9	79.5	86.5	89.0	92.5	94.6	95.2	95.8	96.8	96.8	96.8	97.6	98.1	99.1

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
DAVISON

STATION NAME  
AAF/FT BELVOIR VA

YEARS  
69-70, 75-81

MONTH  
MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

6620-2822  
HOURS 1151

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾	0
NO CEILING ≥ 20000	41.3 43.6	44.4 47.2	46.3 49.4	48.5 50.7	49.5 53.0	49.7 53.2	50.0 53.5	50.1 53.7	50.1 53.7	50.2 53.8	50.2 53.8	50.3 53.9	50.4 54.0	50.4 54.1	50.4 54.1	50.4 54.1	50.4 54.1
≥ 18000 ≥ 16000	43.3 43.3	47.2 47.2	49.4 49.4	51.7 51.7	53.1 53.1	53.2 53.2	53.5 53.5	53.7 53.7	53.7 53.7	53.8 53.8	53.8 53.8	53.9 53.9	54.0 54.0	54.0 54.1	54.1 54.1	54.1 54.1	54.1 54.1
≥ 14000 ≥ 12000	44.2 45.3	47.9 49.4	49.7 51.5	52.0 53.9	53.3 55.2	53.5 55.4	53.9 55.7	54.1 55.8	54.1 55.9	54.1 55.9	54.1 55.9	54.2 56.0	54.3 56.1	54.4 56.2	54.4 56.2	54.4 56.2	54.4 56.2
≥ 10000 ≥ 9000	50.5 51.1	54.5 54.7	56.5 57.5	57.1 61.8	61.4 62.0	61.9 62.6	62.3 62.9	62.4 63.1	62.4 63.1	62.6 63.2	62.6 63.2	62.7 63.3	62.7 63.3	62.8 63.4	62.9 63.5	62.9 63.5	62.9 63.5
≥ 8000 ≥ 7000	54.7 55.6	59.0 63.1	61.9 63.4	65.4 66.8	66.6 68.2	67.4 68.9	67.7 69.2	67.8 69.4	67.8 69.4	68.1 69.7	68.1 69.7	68.2 69.8	68.3 69.9	68.4 70.0	68.4 70.0	68.4 70.0	68.4 70.0
≥ 6000 ≥ 5000	57.1 57.8	61.9 62.3	64.5 65.8	68.3 69.9	69.7 71.4	70.5 72.5	70.9 72.9	71.1 73.1	71.1 73.1	71.5 73.7	71.5 73.7	71.6 73.9	71.7 73.9	71.8 74.0	71.8 74.0	71.8 74.0	71.8 74.0
≥ 4500 ≥ 4000	58.3 58.4	63.2 63.3	66.6 67.2	70.8 71.5	72.3 73.0	73.3 74.1	73.8 74.5	73.9 74.6	74.0 74.7	74.5 75.3	74.5 75.3	74.6 75.4	74.7 75.5	74.8 75.6	74.8 75.6	74.8 75.6	74.8 75.6
≥ 3500 ≥ 3000	59.7 59.8	63.8 64.7	67.6 68.8	71.9 73.2	73.4 74.7	74.6 75.9	75.1 76.3	75.2 76.5	75.3 76.6	75.8 77.1	75.8 77.1	75.9 77.2	76.0 77.3	76.1 77.4	76.1 77.4	76.1 77.4	76.1 77.4
≥ 2500 ≥ 2000	60.9 61.7	66.5 67.5	70.5 71.7	75.2 76.7	76.8 78.3	78.1 79.6	78.5 80.1	78.6 80.2	78.7 80.3	79.2 80.9	79.2 80.9	79.4 81.0	79.5 81.1	79.6 81.2	79.6 81.2	79.6 81.2	79.6 81.2
≥ 1800 ≥ 1500	61.8 62.0	68.1 69.1	72.2 73.5	77.2 78.6	78.8 80.3	80.1 81.6	80.6 82.3	80.8 82.4	80.9 82.5	81.4 83.0	81.4 83.0	81.5 83.1	81.6 83.2	81.7 83.3	81.7 83.3	81.7 83.3	81.7 83.3
≥ 1200 ≥ 1000	63.1 63.5	69.8 70.3	74.8 75.3	80.0 81.1	82.1 83.2	83.5 84.7	84.5 85.7	84.6 85.9	84.7 86.3	85.3 86.6	85.3 86.6	85.4 86.7	85.5 86.8	85.6 86.9	85.6 86.9	85.6 86.9	85.6 86.9
≥ 900 ≥ 800	63.7 64.2	70.9 71.7	76.7 77.7	82.3 83.7	84.5 86.2	86.2 88.1	87.2 89.0	87.4 89.2	87.5 89.5	88.2 90.1	88.2 90.1	88.3 90.2	88.4 90.3	88.5 90.4	88.5 90.4	88.5 90.4	88.5 90.4
≥ 700 ≥ 600	64.4 64.8	72.2 72.4	78.4 78.8	84.7 86.2	87.3 89.2	89.1 91.3	90.3 92.5	90.5 92.8	90.9 93.1	91.5 93.9	91.5 93.9	91.6 94.0	91.7 94.1	91.8 94.2	91.8 94.2	91.8 94.2	91.8 94.2
≥ 500 ≥ 400	64.7 64.8	72.9 73.1	79.9 80.2	88.0 88.3	91.0 91.3	93.7 94.2	95.3 95.9	95.6 96.2	96.1 96.7	96.7 97.4	96.7 97.4	96.9 97.6	97.0 97.7	97.1 97.8	97.2 97.8	97.2 97.8	97.2 97.8
≥ 300 ≥ 200	64.8 64.8	73.2 73.2	80.4 80.4	88.5 88.5	91.5 91.5	94.4 94.4	96.1 96.1	96.5 96.5	97.2 97.2	98.1 98.2	98.1 98.2	98.3 98.4	98.5 98.6	98.8 98.9	98.9 99.1	98.9 99.1	98.9 99.1
≥ 100 0	64.8 64.8	73.2 73.2	80.4 80.4	88.5 88.5	91.5 91.5	94.4 94.4	96.1 96.1	96.5 96.5	97.2 97.2	98.2 98.2	98.2 98.2	98.5 98.5	98.7 98.7	99.0 99.0	99.6 99.6	99.6 99.6	99.6 99.6

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION DAVISON AAF/FT BELVOIR VA

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1960-1980  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING		48.2	57.2	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 20000		52.3	54.6	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 18000		52.4	54.8	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 16000		52.4	55.2	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 14000		53.1	55.4	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 12000		54.3	56.7	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 10000		59.7	62.5	63.5	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 9000		60.2	63.2	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 8000		63.8	67.1	68.2	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 7000		64.7	68.9	69.9	70.2	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 6000		66.7	69.6	71.0	71.3	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 5000		68.2	71.9	73.4	73.9	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 4500		69.4	73.1	74.6	75.1	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 4000		70.6	74.6	76.6	77.2	77.5	77.5	77.7	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1
IV 3500		71.2	75.3	77.1	77.7	78.1	78.1	78.3	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6
IV 3000		72.6	76.8	78.7	79.4	79.7	79.7	79.9	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2
IV 2500		74.1	78.4	80.5	81.3	81.6	81.7	82.0	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.4
IV 2000		74.5	78.9	81.6	82.5	83.1	83.2	83.5	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0
IV 1800		74.7	79.2	81.9	82.8	83.3	83.5	83.9	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3
IV 1500		76.6	81.5	84.5	85.4	86.1	86.2	86.6	86.8	86.8	87.1	87.1	87.0	87.0	87.0	87.0
IV 1200		78.6	84.5	87.8	89.7	89.9	90.3	90.6	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1
IV 1000		79.6	85.8	89.5	91.0	91.0	92.3	92.6	92.8	92.8	93.1	93.1	93.0	93.0	93.0	93.0
IV 900		79.9	86.5	90.6	92.6	93.5	94.0	94.3	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7
IV 800		80.3	87.3	91.8	93.8	94.7	95.2	95.5	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9
IV 700		81.3	87.4	92.3	94.6	95.6	96.1	96.6	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1
IV 600		81.5	87.8	92.7	95.3	96.3	97.1	97.7	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4
IV 500		81.8	88.3	93.1	95.8	97.1	98.1	98.8	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
IV 400		82.8	88.3	93.1	95.8	97.1	98.1	98.9	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 300		83.8	88.3	93.1	95.8	97.1	98.2	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		83.8	88.3	93.1	95.8	97.1	98.2	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		83.8	88.3	93.1	95.8	97.1	98.2	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		83.8	88.3	93.1	95.8	97.1	98.2	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7-8  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-71, 73-87  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1217-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		40.6	40.4	40.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥20000		53.6	54.5	54.6	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥18000		54.6	54.7	54.8	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥16000		54.1	54.2	54.5	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥14000		54.7	55.5	55.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥12000		56.2	57.1	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥10000		61.2	62.2	62.4	67.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥9000		61.3	62.3	62.5	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥8000		65.1	66.5	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥7000		66.9	68.4	69.1	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥6000		69.2	70.0	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥5000		73.0	74.4	75.4	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥4500		73.9	75.6	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥4000		78.2	81.1	81.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥3500		79.7	81.7	82.9	83.9	83.9	84.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥3000		81.7	83.8	85.1	86.7	86.7	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥2500		83.6	85.3	85.7	87.6	87.7	88.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥2000		85.4	86.5	87.0	89.1	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥1800		84.7	85.7	88.2	89.5	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥1500		85.7	88.8	91.3	91.7	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥1200		86.3	90.1	92.3	93.9	94.1	94.5	94.5	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9
≥1000		86.6	91.6	92.8	94.7	94.9	95.5	95.6	95.6	95.9	95.9	96.1	96.1	96.1	96.1	96.1
≥900		87.1	91.2	93.3	95.5	95.7	96.3	96.5	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9
≥800		87.1	91.5	93.7	95.8	96.2	97.0	97.1	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6
≥700		87.3	91.7	93.9	96.3	96.8	97.7	98.0	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5
≥600		87.3	91.7	93.9	96.5	97.1	98.3	98.6	98.8	99.4	99.4	99.5	99.5	99.5	99.5	99.5
≥500		87.4	91.8	94.1	96.6	97.4	98.6	98.9	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥400		87.4	91.8	94.1	96.6	97.4	98.6	98.9	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥300		87.4	91.8	94.1	96.6	97.4	98.6	98.9	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥200		87.4	91.8	94.1	96.6	97.4	98.6	98.9	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥100		87.4	91.8	94.1	96.6	97.4	98.6	98.9	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥0		87.4	91.8	94.1	96.6	97.4	98.6	98.9	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
11/8

DAVISON AAF/FT BELVOIR VA

62-73, 73-8

YEARS  
MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

530-170  
HOURS TEST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		48.9	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000		55.8	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000		56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000		56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 14000		56.5	57.7	57.7	57.3	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 12000		58.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000		62.5	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 9000		62.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 8000		65.4	68.7	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 7000		66.9	69.5	70.2	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 6000		68.6	71.2	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 5000		73.1	75.9	76.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500		74.6	77.8	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5
≥ 4000		78.7	82.8	84.1	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1
≥ 3500		81.5	84.9	86.3	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000		82.7	87.1	88.5	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2500		83.7	88.1	89.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2000		84.6	89.1	91.2	92.7	92.7	92.7	92.7	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800		84.9	89.6	91.9	93.4	93.4	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1500		85.1	89.9	92.4	94.4	94.4	94.5	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200		85.2	91.2	92.8	95.1	95.3	95.6	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000		85.5	91.8	93.4	95.8	96.1	96.7	97.1	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900		85.7	91.7	93.7	96.2	96.6	97.2	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800		85.7	91.7	94.1	96.7	97.0	97.6	98.1	98.0	98.1	98.1	98.1	98.1	98.2	98.2	98.2
≥ 700		85.7	91.3	94.1	96.8	97.2	97.8	98.3	98.3	98.3	98.5	98.5	98.5	98.6	98.6	98.6
≥ 600		85.8	91.4	94.2	97.1	97.5	98.3	98.7	98.8	98.8	99.1	99.1	99.1	99.2	99.2	99.2
≥ 500		85.8	91.4	94.2	97.1	97.5	98.3	98.7	98.9	99.2	99.4	99.4	99.4	99.5	99.5	99.5
≥ 400		85.8	91.4	94.2	97.2	97.6	98.4	98.8	99.0	99.5	99.6	99.6	99.6	99.8	99.8	99.8
≥ 300		85.8	91.4	94.2	97.2	97.6	98.4	98.8	99.0	99.6	99.7	99.7	99.7	99.9	100.0	100.0
≥ 200		85.8	91.4	94.2	97.2	97.6	98.4	98.8	99.0	99.6	99.7	99.7	99.7	99.9	100.0	100.0
≥ 100		85.8	91.4	94.2	97.2	97.6	98.4	98.8	99.0	99.6	99.7	99.7	99.7	99.9	100.0	100.0
≥ 0		85.8	91.4	94.2	97.2	97.6	98.4	98.8	99.0	99.6	99.7	99.7	99.7	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 176 DAVIDSON AAF/FT BELVOIR VA

69-70,73-61

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1830-2100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		5.6	52.9	53.3	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000		57.8	61.2	61.4	61.4	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 18000		58.1	61.2	61.6	61.6	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 16000		58.2	61.7	61.4	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 14000		58.6	61.1	61.9	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 12000		60.5	63.1	63.9	64.3	64.3	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 10000		64.4	67.5	68.8	69.4	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 9000		65.3	68.3	69.5	70.3	70.3	70.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 8000		72.2	72.8	74.5	75.8	75.8	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 7000		70.5	74.4	76.1	77.4	77.4	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 6000		71.5	75.4	77.3	78.6	78.6	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 5000		73.6	78.2	81.3	81.8	81.8	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 4500		74.7	79.6	81.9	83.3	83.3	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 4000		77.2	82.3	85.6	87.6	87.6	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 3500		78.3	84.6	87.5	89.8	89.8	89.9	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 3000		79.6	85.9	89.3	91.7	91.8	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2500		79.8	86.1	89.7	92.3	92.3	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 2000		80.3	86.6	90.4	92.8	92.8	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1800		80.3	86.6	90.4	93.0	93.0	93.1	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1500		80.4	87.1	90.7	93.9	94.0	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1200		81.1	87.4	91.3	94.5	94.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1000		81.6	87.5	91.5	95.0	95.4	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 900		81.8	87.5	91.5	95.2	95.5	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800		81.8	87.3	91.5	95.4	95.8	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 700		81.8	87.3	91.6	95.5	96.1	97.3	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 600		81.9	87.0	91.9	95.8	96.3	97.6	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 500		81.9	87.0	91.9	95.9	96.4	97.7	99.0	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5
IV 400		81.9	87.2	91.9	95.9	96.4	97.7	99.1	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5
IV 300		80.9	87.0	91.9	95.9	96.4	97.7	99.0	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		80.9	87.0	91.9	95.9	96.4	97.7	99.0	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		80.9	87.0	91.9	95.9	96.4	97.7	99.0	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		80.9	87.0	91.9	95.9	96.4	97.7	99.0	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFN WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

77.3 STATION NAME  
DAVISON AAF/FT BELVOIR VA

59-79,73-81

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	.1	44.9	52.7	55.9	56.2	56.3	56.5	56.7	56.7	56.9	57.3	57.1	57.2	57.2	57.2	57.5
≥ 20000	.1	44.5	57.9	59.8	62.1	62.2	62.5	62.7	62.7	62.8	62.9	63.0	63.2	63.2	63.2	63.5
≥ 18000	.1	44.5	57.8	59.8	62.1	62.2	62.5	62.7	62.7	62.8	62.9	63.0	63.2	63.2	63.2	63.5
≥ 16000	.1	44.6	57.9	59.9	62.2	62.4	62.6	62.8	62.8	62.9	63.0	63.1	63.3	63.3	63.3	63.6
≥ 14000	.1	55.5	59.1	61.1	63.4	63.5	63.8	64.5	64.5	64.7	64.7	64.8	64.8	64.8	64.8	64.8
≥ 12000	.1	56.7	63.1	62.8	64.5	64.6	64.8	65.1	65.1	65.2	65.3	65.4	65.6	65.6	65.6	65.9
≥ 10000	.1	60.7	65.7	67.5	71.3	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 9000	.1	61.7	65.8	68.3	71.1	71.2	71.5	71.7	71.7	71.8	72.1	72.1	72.3	72.3	72.3	72.6
≥ 8000	.1	65.7	73.4	73.9	77.2	77.3	77.7	77.9	77.9	78.0	78.2	78.3	78.5	78.6	78.6	79.2
≥ 7000	.1	66.5	71.3	74.8	79.1	78.2	78.5	78.7	78.7	78.9	79.1	79.2	79.4	79.5	79.5	79.8
≥ 6000	.1	67.3	71.8	75.5	78.9	79.0	79.3	79.5	79.5	79.6	79.8	79.9	80.2	80.3	80.3	80.6
≥ 5000	.1	68.6	73.8	77.5	81.8	81.9	81.2	81.4	81.4	81.6	81.8	81.9	82.1	82.2	82.2	82.5
≥ 4500	.1	69.0	74.6	78.5	81.9	82.0	82.3	82.6	82.6	82.7	83.0	83.1	83.3	83.4	83.4	83.7
≥ 4000	.1	71.0	76.9	81.1	85.1	85.3	85.8	86.1	86.1	86.2	86.4	86.5	86.7	86.8	86.9	87.3
≥ 3500	.1	71.3	77.3	81.8	85.9	86.1	86.8	87.2	87.2	87.3	87.6	87.7	87.9	88.0	88.2	88.6
≥ 3000	.1	72.3	78.9	83.7	88.3	88.6	89.3	89.8	89.8	89.9	90.2	90.3	90.5	90.6	90.8	91.2
≥ 2500	.1	72.6	79.5	84.5	89.2	89.4	89.7	90.2	90.6	90.7	91.0	91.2	91.4	91.5	91.7	92.0
≥ 2000	.1	73.1	81.7	85.9	91.6	91.9	91.7	92.1	92.1	92.2	92.4	92.7	92.9	93.0	93.2	93.5
≥ 1800	.1	73.2	81.8	86.0	90.9	91.2	91.9	92.3	92.3	92.4	92.6	92.9	93.1	93.2	93.4	93.7
≥ 1500	.1	73.2	80.9	86.2	91.3	91.6	92.4	92.9	92.9	93.0	93.3	93.4	93.6	93.7	94.0	94.3
≥ 1200	.1	73.5	81.2	86.6	91.9	92.3	93.5	94.0	94.0	94.1	94.4	94.4	94.5	94.7	94.8	95.0
≥ 1000	.1	73.6	81.5	86.9	92.6	93.0	94.2	94.6	94.6	94.7	95.1	95.1	95.4	95.5	95.7	96.0
≥ 900	.1	73.6	81.6	87.1	92.9	93.5	94.7	95.1	95.1	95.4	95.7	95.8	96.0	96.1	96.3	96.7
≥ 800	.1	73.6	81.6	87.2	93.2	94.0	95.1	95.6	95.6	95.8	96.1	96.2	96.4	96.5	96.8	97.1
≥ 700	.1	73.6	81.7	87.3	93.3	94.2	95.6	96.0	96.1	96.2	96.5	96.7	96.9	97.0	97.2	97.5
≥ 600	.1	73.7	82.0	87.6	94.1	95.1	96.7	97.2	97.2	97.4	97.7	97.8	98.1	98.2	98.5	98.8
≥ 500	.1	73.7	82.0	87.6	94.2	95.5	97.0	97.5	97.5	97.8	98.2	98.3	98.5	98.6	98.9	99.2
≥ 400	.1	73.7	82.0	87.6	94.2	95.5	97.0	97.5	97.5	98.1	98.3	98.4	98.6	98.7	99.0	99.4
≥ 300	.1	73.7	82.0	87.6	94.2	95.5	97.1	97.8	98.1	98.3	98.9	99.0	99.2	99.4	99.7	100.0
≥ 200	.1	73.7	82.0	87.6	94.2	95.5	97.1	97.8	98.1	98.3	98.9	99.0	99.2	99.4	99.7	100.0
≥ 100	.1	73.7	82.0	87.6	94.2	95.5	97.1	97.8	98.1	98.3	98.9	99.0	99.2	99.4	99.7	100.0
≥ 0	.1	73.7	82.0	87.6	94.2	95.5	97.1	97.8	98.1	98.3	98.9	99.0	99.2	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION 712 DAVIDSON AAF/FT BELVOIR VA

69-70, 73-81

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS 151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	46.3	48.9	50.2	51.5	51.7	51.9	52.2	52.2	52.3	52.4	52.4	52.5	52.5	52.6	52.7	
≥ 20000	51.5	54.1	55.5	56.9	57.3	57.5	57.8	57.8	57.9	57.9	58.0	58.1	58.1	58.2	58.3	
≥ 18000	51.5	54.3	55.6	57.1	57.4	57.6	57.9	58.1	58.1	58.1	58.1	58.2	58.2	58.3	58.3	58.5
≥ 16000	51.6	54.4	55.7	57.2	57.5	57.7	58.0	58.1	58.1	58.2	58.2	58.3	58.4	58.4	58.5	
≥ 14000	52.1	55.1	56.4	57.8	58.2	58.4	58.7	58.7	58.8	58.9	58.9	59.0	59.0	59.1	59.2	
≥ 12000	53.7	56.8	58.0	59.5	59.8	60.0	60.3	60.4	60.4	60.5	60.5	60.6	60.7	60.7	60.7	
≥ 10000	57.8	61.2	62.9	64.6	65.0	65.3	65.6	65.7	65.7	65.8	65.8	65.9	66.0	66.1	66.2	
≥ 9000	58.3	61.7	63.5	65.2	65.6	65.9	66.2	66.3	66.3	66.4	66.4	66.5	66.6	66.6	66.7	66.8
≥ 8000	61.8	65.7	67.6	69.8	70.2	70.5	70.9	71.1	71.3	71.3	71.2	71.2	71.3	71.3	71.4	71.6
≥ 7000	63.1	67.2	69.4	71.4	71.8	72.2	72.6	72.7	72.7	72.7	72.9	72.9	73.0	73.0	73.1	73.2
≥ 6000	64.3	69.3	70.6	72.6	73.1	73.5	73.9	73.9	74.0	74.1	74.1	74.1	74.3	74.3	74.4	74.5
≥ 5000	66.8	70.9	73.4	75.5	76.0	76.4	76.8	76.9	77.0	77.1	77.1	77.1	77.3	77.3	77.4	77.5
≥ 4500	67.4	72.5	74.6	76.8	77.2	77.7	78.1	78.2	78.2	78.4	78.4	78.4	78.5	78.5	78.7	78.8
≥ 4000	67.6	74.6	77.6	80.1	80.6	81.1	81.5	81.6	81.7	81.9	81.9	81.9	82.0	82.0	82.2	82.3
≥ 3500	70.9	75.7	78.8	81.4	81.9	82.5	82.9	83.0	83.0	83.3	83.3	83.4	83.4	83.4	83.6	83.7
≥ 3000	71.7	77.0	80.3	83.3	83.7	84.3	84.8	84.8	84.9	85.1	85.2	85.3	85.3	85.5	85.6	
≥ 2500	72.6	78.1	81.5	84.5	85.1	85.7	86.2	86.2	86.3	86.5	86.5	86.5	86.6	86.7	86.8	87.0
≥ 2000	73.2	79.9	82.6	85.8	86.4	87.1	87.5	87.6	87.7	87.9	87.9	88.0	88.1	88.2	88.4	
≥ 1800	73.3	79.1	82.9	86.1	86.7	87.4	87.9	88.0	88.1	88.3	88.3	88.4	88.4	88.4	88.6	88.7
≥ 1500	74.0	80.0	83.8	87.3	87.9	88.7	89.3	89.3	89.4	89.6	89.7	89.8	89.8	90.0	90.1	
≥ 1200	74.8	81.0	85.1	88.8	89.6	90.5	91.1	91.3	91.4	91.6	91.6	91.7	91.8	91.9	92.0	
≥ 1000	75.1	81.7	86.0	90.0	90.8	91.8	92.4	92.6	92.7	92.9	92.9	93.0	93.1	93.2	93.3	
≥ 900	75.3	82.7	86.6	90.7	91.7	92.9	93.5	93.6	93.7	94.0	94.0	94.1	94.2	94.3	94.4	
≥ 800	75.5	82.4	87.2	91.6	92.7	93.8	94.5	94.6	94.8	95.0	95.1	95.2	95.2	95.4	95.5	
≥ 700	75.6	82.6	87.5	92.1	93.3	94.5	95.3	95.5	95.6	95.9	95.9	96.0	96.1	96.2	96.3	
≥ 600	75.8	82.8	87.8	92.8	94.2	95.6	96.5	96.7	96.9	97.2	97.2	97.4	97.4	97.6	97.7	
≥ 500	75.9	83.1	88.1	93.2	94.7	96.3	97.4	97.6	97.9	98.2	98.3	98.4	98.5	98.6	98.7	
≥ 400	75.9	83.1	88.2	93.3	94.8	96.5	97.6	97.9	98.2	98.5	98.5	98.7	98.7	98.9	99.0	
≥ 300	75.9	83.1	88.2	93.4	94.9	96.7	97.8	98.1	98.5	99.0	99.0	99.1	99.2	99.4	99.6	
≥ 200	75.9	83.1	88.2	93.4	94.9	96.7	97.8	98.1	98.5	99.0	99.1	99.3	99.4	99.6	99.7	
≥ 100	75.9	83.1	88.2	93.4	94.9	96.7	97.8	98.1	98.5	99.0	99.1	99.3	99.4	99.7	99.9	
≥ 0	75.9	83.1	88.2	93.4	94.9	96.7	97.8	98.1	98.5	99.0	99.1	99.3	99.4	99.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 7435

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION DAVIDSON AAF/FT BELVOIR VA

YEARS 54-75, 73-79

MONTH JUN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2312-200  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING		43.3	40.9	54.0	59.3	59.2	57.5	64.3	60.3	60.4	60.4	60.6	60.7	60.7	60.8	60.8
≥ 20000		46.5	53.4	58.7	62.6	63.4	64.4	64.9	64.9	65.1	65.1	65.1	65.2	65.2	65.4	65.4
IV 18000		40.6	53.4	58.7	62.6	63.4	64.4	64.9	64.9	65.1	65.1	65.1	65.2	65.2	65.4	65.4
IV 16000		46.6	53.4	58.7	62.6	63.4	64.4	64.9	64.9	65.1	65.1	65.1	65.2	65.2	65.4	65.4
IV 14000		46.7	53.4	58.3	62.9	63.8	64.8	65.2	65.2	65.3	65.3	65.4	65.6	65.6	65.8	65.8
IV 12000		44.9	55.4	60.2	64.9	65.8	66.8	67.2	67.2	67.3	67.3	67.4	67.6	67.6	67.8	67.8
IV 10000		50.1	59.3	64.2	68.9	69.8	70.8	71.2	71.2	71.4	71.4	71.6	71.7	71.7	71.9	71.9
IV 9000		52.1	59.3	64.1	68.9	69.8	70.8	71.2	71.2	71.4	71.4	71.6	71.7	71.7	71.9	71.9
IV 8000		50.4	63.2	68.3	73.6	74.4	75.4	76.1	76.1	76.3	76.3	76.4	76.6	76.6	76.8	76.8
IV 7000		57.0	64.2	69.4	74.7	75.6	76.6	77.2	77.2	77.4	77.4	77.6	77.7	77.7	77.9	77.9
IV 6000		58.2	65.6	71.1	76.3	77.2	78.2	79.0	79.1	79.2	79.2	79.3	79.4	79.4	79.7	79.7
IV 5000		60.2	67.6	73.2	78.4	79.3	80.3	81.1	81.1	81.3	81.3	81.4	81.6	81.6	81.8	81.8
IV 4500		61.2	68.3	74.0	79.4	80.3	81.3	82.1	82.1	82.3	82.3	82.4	82.6	82.6	82.8	82.8
IV 4000		63.2	71.4	77.9	83.9	85.1	86.2	87.2	87.2	87.3	87.3	87.3	87.6	87.6	87.8	87.8
IV 3500		64.2	72.8	79.6	85.7	87.2	88.2	89.0	89.0	89.2	89.2	89.3	89.6	89.6	89.8	89.8
IV 3000		65.6	74.6	81.6	87.8	89.2	90.8	91.6	91.6	91.8	91.8	91.9	92.1	92.1	92.3	92.3
IV 2500		66.0	75.1	82.1	88.3	89.8	91.3	92.1	92.1	92.3	92.3	92.4	92.7	92.7	92.9	92.9
IV 2000		66.2	76.3	83.4	89.7	91.1	92.7	93.4	93.4	93.8	93.8	93.9	94.1	94.1	94.3	94.3
IV 1800		67.1	76.6	83.7	89.9	91.3	92.9	93.7	93.7	94.1	94.1	94.3	94.3	94.3	94.6	94.6
IV 1500		67.1	76.7	83.8	90.3	91.8	93.3	94.1	94.1	94.4	94.4	94.6	94.8	94.8	95.0	95.0
IV 1200		67.2	77.6	84.7	91.6	93.0	94.6	95.3	95.3	95.7	95.7	95.8	96.3	96.3	96.2	96.2
IV 1000		68.3	78.1	85.4	92.3	93.8	95.3	96.1	96.1	96.4	96.4	96.6	96.8	96.8	97.0	97.0
IV 900		68.6	78.4	85.8	92.8	94.2	95.8	96.6	96.6	96.9	96.9	97.0	97.2	97.2	97.4	97.4
IV 800		68.7	78.6	85.9	93.0	94.4	96.0	96.8	96.8	97.1	97.1	97.2	97.4	97.4	97.7	97.7
IV 700		68.8	78.7	86.0	93.3	94.9	96.8	97.6	97.6	97.9	97.9	98.0	98.2	98.2	98.4	98.4
IV 600		68.9	78.7	86.1	93.4	95.3	97.2	98.0	98.0	98.3	98.3	98.4	98.7	98.7	98.9	98.9
IV 500		68.9	78.8	86.2	93.7	95.6	97.4	98.2	98.2	98.6	98.6	98.7	98.9	98.9	99.1	99.1
IV 400		69.0	78.9	86.6	94.0	95.9	97.8	98.6	98.6	98.9	98.9	99.0	99.2	99.2	99.4	99.4
IV 300		69.1	78.9	86.6	94.0	95.9	97.8	98.7	98.7	99.0	99.0	99.1	99.3	99.3	99.6	99.6
IV 200		69.1	78.9	86.6	94.0	95.9	97.8	98.8	98.8	99.1	99.1	99.2	99.4	99.4	99.7	99.7
IV 100		69.1	78.9	86.6	94.0	95.9	97.8	98.8	98.8	99.1	99.1	99.2	99.4	99.4	99.7	99.7
IV 0		69.1	78.9	86.6	94.0	95.9	97.8	98.8	98.8	99.1	99.2	99.3	99.6	99.6	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
ATMOSPHERIC SERVICE/MAC

# CEILING VERSUS VISIBILITY

178  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

60-73,73-79  
YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

300-3500  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING ≥ 20000		43.6	41.2	46.7	51.2	52.0	54.7	54.9	55.1	55.6	55.6	55.6	55.7	55.8	56.0	56.4
≥ 18000		35.0	44.7	51.2	54.9	56.7	58.1	59.2	59.4	60.1	60.1	60.1	60.4	60.5	60.8	61.2
≥ 16000		35.0	44.7	51.2	54.9	56.7	58.1	59.2	59.4	60.1	60.1	60.1	60.4	60.5	60.8	61.2
≥ 14000		35.0	44.7	51.2	54.9	56.7	58.1	59.2	59.4	60.1	60.1	60.1	60.4	60.5	60.8	61.2
≥ 12000		36.1	45.7	53.1	58.1	59.8	61.3	62.4	62.7	63.4	63.4	63.4	63.8	63.9	64.1	64.6
≥ 10000		41.3	49.4	58.3	61.8	63.6	65.2	66.4	66.7	67.6	67.6	67.6	67.6	68.1	68.3	68.9
≥ 9000		42.3	49.8	58.7	62.1	63.9	65.6	66.8	67.1	67.9	67.9	67.9	68.3	68.4	68.7	69.2
≥ 8000		43.2	53.1	60.3	66.1	68.0	69.8	71.0	71.2	72.1	72.1	72.1	72.6	72.7	72.9	73.4
≥ 7000		43.6	54.7	61.4	67.2	69.1	70.9	72.1	72.3	73.2	73.2	73.2	73.7	73.8	74.0	74.6
≥ 6000		45.2	55.6	63.1	69.0	70.9	72.7	74.1	74.3	75.3	75.3	75.4	75.9	76.3	76.2	76.8
≥ 5000		47.4	57.8	65.3	71.3	73.2	75.0	76.4	76.7	77.7	77.7	77.8	78.2	78.3	79.6	79.1
≥ 4500		43.2	53.6	66.2	72.4	74.3	76.2	77.7	77.9	78.9	78.9	79.1	79.4	79.6	79.8	80.3
≥ 4000		45.3	57.8	69.0	75.6	77.4	79.6	81.1	81.3	82.3	82.3	82.4	82.9	83.1	83.7	83.8
≥ 3500		45.9	61.4	67.8	76.3	78.3	80.4	82.0	82.2	83.2	83.2	83.3	83.8	83.9	84.1	84.7
≥ 3000		51.6	62.3	70.7	77.2	79.4	81.0	83.3	83.6	84.6	84.6	84.7	85.2	85.3	85.6	86.1
≥ 2500		52.9	63.7	72.0	78.7	80.9	83.2	84.8	85.7	86.1	86.1	86.1	86.7	86.8	87.0	87.6
≥ 2000		53.8	64.6	72.9	79.8	82.2	84.7	86.2	86.4	87.4	87.4	87.4	87.6	88.1	88.2	88.4
≥ 1800		53.9	64.7	73.0	80.0	82.4	84.9	86.4	86.7	87.7	87.7	87.7	87.8	88.3	88.4	89.2
≥ 1500		54.7	65.4	74.1	81.0	83.6	86.0	87.6	87.8	88.8	88.8	88.9	89.4	89.6	89.8	90.3
≥ 1200		55.1	65.9	74.6	81.8	84.3	86.7	88.6	88.8	89.8	89.8	89.8	90.6	90.7	90.9	91.4
≥ 1000		56.2	67.2	76.4	84.2	86.8	89.4	91.1	91.4	92.6	92.6	92.7	93.3	93.4	93.7	94.3
≥ 900		56.4	68.1	77.4	85.3	88.0	90.7	92.3	92.7	93.8	93.8	93.9	94.6	94.7	94.9	95.6
≥ 800		57.3	68.6	78.0	86.1	88.9	91.7	93.3	93.7	94.8	94.8	94.9	95.6	95.7	95.9	96.6
≥ 700		57.4	68.8	78.2	86.4	89.2	92.0	93.7	94.1	95.1	95.1	95.2	95.9	96.0	96.2	96.9
≥ 600		57.6	68.9	78.3	86.6	89.4	92.6	94.2	94.6	95.7	95.7	95.8	96.4	96.6	96.8	97.4
≥ 500		57.6	69.0	78.4	87.0	89.9	93.1	94.8	95.1	96.2	96.2	96.3	97.1	97.2	97.6	98.3
≥ 400		57.6	69.1	78.4	87.0	89.9	93.1	94.8	95.1	96.2	96.2	96.3	97.1	97.2	97.6	98.3
≥ 300		57.6	69.0	78.4	87.0	89.9	93.2	95.0	95.4	96.8	96.9	97.0	97.9	98.0	98.3	99.1
≥ 200		57.6	69.0	78.4	87.0	89.9	93.2	95.0	95.4	97.0	97.2	97.3	98.3	98.4	98.8	99.7
≥ 100		57.6	69.0	78.4	87.0	89.9	93.2	95.0	95.6	97.1	97.3	97.4	98.4	98.6	98.9	99.9
≥ 0		57.6	69.0	78.4	87.0	89.9	93.2	95.0	95.6	97.1	97.3	97.4	98.4	98.6	98.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

## CEILING VERSUS VISIBILITY

55-7", 73-79

2004

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

657-0601  
HOUSE 151

CEILING FEET.	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 3-10	≥ 2	≥ 0
NO CEILING ≥ 20000		36.0 41.7	42.0 46.1	46.3 50.4	49.7 54.0	53.7 58.1	58.4 62.6	62.6 66.8	66.8 70.9	70.9 75.1	75.1 79.2	79.2 83.3	83.3 87.4	87.4 91.5	91.5 95.6	95.6 99.7
IV 18000 IV 16000		41.7 41.7	46.1 45.1	50.4 49.4	54.0 53.0	58.1 57.1	62.6 61.6	66.8 65.8	70.9 69.9	75.1 74.1	79.2 78.2	83.3 82.3	87.4 86.4	91.5 90.5	95.6 94.6	99.7 98.7
IV 14000 IV 12000		42.2 44.6	46.7 49.3	51.0 53.7	54.6 57.2	58.7 61.3	62.6 65.2	66.8 69.4	70.9 73.5	75.1 77.7	79.2 81.8	83.3 85.9	87.4 90.0	91.5 94.1	95.6 98.2	99.7 102.3
IV 10000 IV 9000		46.8 47.4	52.2 52.9	57.3 57.7	60.7 61.3	64.9 65.6	68.9 69.6	72.9 73.6	76.9 77.6	80.9 81.6	84.9 85.6	88.9 89.6	92.9 93.6	96.9 97.6	100.9 101.6	104.9 105.6
IV 8000 IV 7000		49.4 50.1	55.1 55.8	60.5 61.2	64.1 65.6	68.4 69.9	72.6 74.1	76.8 78.3	80.9 82.4	85.1 86.6	89.2 90.7	93.3 94.8	97.4 98.9	101.5 103.0	105.6 107.1	109.7 111.2
IV 6000 IV 5000		50.7 52.4	56.9 58.7	61.9 63.7	66.3 68.3	70.7 72.6	75.1 77.0	79.2 81.1	83.3 85.2	87.4 89.3	91.5 93.4	95.6 97.5	99.7 101.6	103.8 105.7	107.9 109.8	111.9 113.8
IV 4500 IV 4000		52.9 53.3	59.2 59.5	64.2 64.1	69.2 69.1	73.8 73.7	78.3 78.2	82.8 82.7	87.3 87.2	91.8 91.7	96.3 96.2	100.8 100.7	105.3 105.2	109.8 109.7	114.3 114.2	118.8 118.7
IV 3500 IV 3000		54.1 54.7	60.8 61.8	66.3 67.4	71.3 72.6	76.1 77.4	80.9 82.2	85.7 87.0	90.5 91.8	95.3 96.6	100.1 101.4	104.9 106.2	109.7 111.0	114.5 115.8	119.3 120.6	124.1 125.4
IV 2500 IV 2000		55.9 56.4	62.9 63.7	68.7 69.6	73.9 74.8	78.8 79.9	83.7 84.8	88.6 89.7	93.5 94.6	98.4 99.5	103.3 104.4	108.2 109.3	113.1 114.2	118.0 119.1	122.9 124.0	127.8 128.9
IV 1800 IV 1500		55.6 57.6	63.9 65.1	69.8 71.0	75.1 76.4	80.7 81.9	85.9 87.2	91.1 92.4	96.3 97.6	101.5 102.8	106.7 108.0	111.9 113.2	117.1 118.4	122.3 123.6	127.5 128.8	132.7 134.0
IV 1200 IV 1000		58.4 59.2	66.0 67.3	72.1 73.3	78.2 79.7	83.8 85.4	89.3 90.9	94.8 96.4	100.3 101.9	105.8 107.4	111.3 112.9	116.8 118.4	122.3 123.9	127.8 129.4	133.3 134.9	138.8 140.4
IV 900 IV 800		59.8 60.1	68.0 68.4	74.7 75.3	81.8 82.6	87.9 88.6	93.9 94.6	99.9 100.6	105.9 106.6	111.9 112.6	117.9 118.6	123.9 124.6	129.9 130.6	135.9 136.6	141.9 142.6	147.9 148.6
IV 700 IV 600		60.7 59.8	69.1 69.1	76.3 76.3	83.6 84.3	89.7 90.3	95.8 96.4	101.9 102.5	107.9 108.5	113.9 114.5	119.9 120.5	125.9 126.5	131.9 132.5	137.9 138.5	143.9 144.5	149.9 150.5
IV 500 IV 400		61.9 61.9	69.2 69.2	76.7 76.7	85.1 85.1	91.6 91.6	98.1 98.1	104.6 104.6	111.1 111.1	117.6 117.6	124.1 124.1	130.6 130.6	137.1 137.1	143.6 143.6	150.1 150.1	156.6 156.6
IV 300 IV 200		61.7 61.7	69.2 69.2	76.7 76.7	85.1 85.1	91.6 91.6	98.1 98.1	104.6 104.6	111.1 111.1	117.6 117.6	124.1 124.1	130.6 130.6	137.1 137.1	143.6 143.6	150.1 150.1	156.6 156.6
IV 100 0		60.9 60.9	69.2 69.2	75.7 76.7	85.1 85.1	88.3 89.3	92.2 92.2	94.8 94.8	96.3 96.3	97.1 97.1	98.1 98.1	98.1 98.1	99.1 99.1	99.1 99.1	99.4 99.4	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/NAAC

# CEILING VERSUS VISIBILITY

STATION NO. 13 STATION NAME LAYTON AAF/FT BELVOIR VA

PERIOD 66-71, 73-79 YEARS

MONTH JUN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1957-1971  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		49.5	52.0	54.0	56.2	58.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 16000		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 9000		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 8000		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 7000		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 6000		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 5000		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4500		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4000		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 3500		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 3000		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 2500		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 2000		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 1800		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 1500		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 1200		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 1000		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 900		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 800		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 700		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 600		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 500		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 400		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 300		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 200		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 100		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 0		53.8	55.9	58.7	61.4	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION

CAVISON AAF/FT BELVOIR VA

68-77, 73-79

YEARS

JUN

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS EST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	>10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		51.5	54.5	55.6	54.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000		57.7	59.4	61.9	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000		57.2	59.0	62.1	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 16000		57.2	61.0	62.1	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 14000		57.5	61.2	62.4	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000		56.5	61.6	63.7	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 10000		63.1	65.7	66.3	67.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 9000		63.3	66.7	68.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 8000		65.6	69.1	71.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000		66.7	70.2	72.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 6000		67.3	70.9	73.7	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 5000		69.8	73.4	76.2	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4500		71.4	75.3	78.2	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4000		75.2	79.9	83.0	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3500		76.7	81.1	84.8	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000		79.1	84.1	87.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2500		81.2	85.4	89.1	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2000		81.2	85.4	89.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800		81.7	87.0	91.4	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1500		81.7	87.7	92.1	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200		82.2	88.0	93.2	95.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000		82.2	89.2	94.7	97.4	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900		82.9	89.2	94.8	97.6	98.1	98.2	98.3	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		82.9	89.3	94.8	97.7	98.2	98.6	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		82.9	89.3	94.9	97.9	98.6	99.0	99.1	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600		82.9	89.3	95.1	98.1	98.8	99.3	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		82.9	89.3	95.1	98.2	98.9	99.4	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		82.9	89.3	95.1	98.2	98.9	99.4	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		82.9	89.3	95.1	98.2	98.9	99.4	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		82.9	89.3	95.1	98.2	98.9	99.4	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		82.9	89.3	95.1	98.2	98.9	99.4	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		82.9	89.3	95.1	98.2	98.9	99.4	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
JUL 64  
ATMOSPHERIC SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
DAVISON AAF/FT BELVOIR VA

YEARS  
65-70, 73-79

MONTH  
JUN

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS LT ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	51.5	54.8	55.9	54.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥20000	55.1	62.6	64.3	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 18000	58.3	67.9	64.3	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 16000	58.4	63.7	64.4	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 14000	58.6	63.1	64.6	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 12000	60.5	65.1	66.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 10000	64.0	68.9	70.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 9000	64.3	69.2	71.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 8000	68.1	73.3	75.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 7000	68.3	73.7	75.6	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 6000	69.1	74.2	76.2	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 5000	71.0	76.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500	72.6	78.2	80.6	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 4000	76.3	83.4	85.0	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3500	77.7	84.4	88.0	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 3000	79.6	87.2	90.3	92.0	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2500	81.2	87.9	91.1	92.9	93.0	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 2000	81.5	88.8	92.0	94.4	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1800	81.1	87.9	92.8	94.9	95.0	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1500	81.1	89.9	93.2	96.4	96.6	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1200	81.9	91.2	94.6	97.1	97.2	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1000	82.1	91.4	94.8	97.4	97.6	98.0	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 900	82.3	91.7	95.1	97.7	97.8	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	82.4	91.9	95.3	98.1	98.2	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	82.6	91.1	95.8	98.6	98.7	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	82.6	91.2	95.9	98.7	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	82.6	91.2	95.9	98.7	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	82.6	91.2	95.9	98.7	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	82.6	91.2	95.9	98.7	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	82.6	91.2	95.9	98.7	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	82.6	91.2	95.9	98.7	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	82.6	91.2	95.9	98.7	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION

RAVISON AAF/FT BELVOIR VA

68-70, 73-79

JUN

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		47.7	53.2	54.9	55.3	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000		44.9	59.7	61.7	63.1	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 18000		54.7	59.2	61.6	63.2	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 16000		55.1	59.9	61.9	63.3	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 14000		55.7	61.6	62.6	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000		58.9	64.1	66.3	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 10000		52.7	68.4	71.6	72.4	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 9000		62.2	68.7	71.6	72.7	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 8000		66.7	73.2	75.7	77.3	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000		67.3	73.9	76.2	78.0	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 6000		68.6	74.7	77.1	78.8	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 5000		69.6	76.8	79.8	81.6	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 4500		71.2	78.7	82.0	83.8	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 4000		74.3	82.7	86.4	88.4	89.2	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 3500		76.4	85.1	89.3	91.4	92.2	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 3000		77.2	86.2	91.7	92.9	93.7	93.9	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500		77.4	86.7	91.2	93.6	94.6	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2000		78.1	87.4	92.2	94.9	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1800		78.2	87.7	92.4	95.1	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1500		79.1	88.8	93.7	96.4	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		79.7	89.3	94.6	97.6	98.7	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000		79.7	89.7	94.6	97.7	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		79.8	89.8	94.8	97.9	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800		79.9	89.7	94.9	98.0	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		79.9	89.7	95.1	98.1	99.3	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		79.9	89.7	95.1	98.1	99.3	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		79.9	89.7	95.1	98.1	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		79.9	89.7	95.1	98.1	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		79.9	89.7	95.1	98.1	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		79.9	89.7	95.1	98.1	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		79.9	89.7	95.1	98.1	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		79.9	89.7	95.1	98.1	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 909

GLOBAL CLIMATOLOGY BRANCH  
WAFB  
AIR WEATHER SERVICE / MAC

# CEILING VERSUS VISIBILITY

778  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

66-70, 73-79  
YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2155-2300  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING		45.7	51.1	54.6	57.0	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 20000		46.8	54.7	58.2	60.8	61.2	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7
≥ 18000		48.8	54.7	58.2	60.8	61.2	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7
≥ 16000		48.8	54.7	58.2	60.8	61.2	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7
≥ 14000		49.2	55.7	58.8	61.3	61.6	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.2
≥ 12000		51.3	57.3	60.9	63.6	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4
≥ 10000		55.3	62.1	65.7	68.3	68.8	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2
≥ 9000		55.8	62.1	65.7	68.3	68.8	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2
≥ 8000		59.2	66.4	70.8	73.4	74.1	74.1	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8
≥ 7000		60.4	67.9	72.2	74.9	75.4	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4
≥ 6000		62.1	69.9	74.2	76.9	77.4	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.6	78.6	78.6
≥ 5000		65.1	73.1	77.8	80.7	81.2	81.4	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4
≥ 4500		65.1	74.2	78.9	81.8	82.3	82.5	83.4	83.4	83.4	83.4	83.4	83.4	83.6	83.6	83.6
≥ 4000		68.6	77.6	82.8	86.8	87.3	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8
≥ 3500		71.7	79.8	85.1	89.4	90.0	90.4	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4
≥ 3000		71.7	80.4	86.4	90.9	91.4	91.9	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9
≥ 2500		72.0	81.2	86.8	91.2	91.8	92.4	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4
≥ 2000		73.4	82.8	88.6	93.2	93.8	94.6	95.4	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6
≥ 1800		73.8	83.1	88.9	93.6	94.1	94.9	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9
≥ 1500		74.3	83.7	89.4	94.3	94.9	95.7	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7
≥ 1200		75.1	84.4	90.3	95.6	96.1	96.9	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9
≥ 1000		75.1	84.5	90.4	95.7	96.2	97.0	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2
≥ 900		75.2	84.7	90.6	95.8	96.3	97.1	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 800		75.3	84.8	90.8	96.0	96.7	97.4	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7
≥ 700		75.4	84.9	90.9	96.1	96.9	97.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 600		75.4	84.9	91.1	96.7	97.6	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 500		75.4	85.1	91.2	96.8	97.7	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 400		75.4	85.1	91.3	96.9	97.8	98.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 300		75.4	85.1	91.3	96.9	97.8	98.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 200		75.4	85.1	91.3	96.9	97.8	98.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 100		75.4	85.1	91.3	96.9	97.8	98.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 0		75.4	85.1	91.3	96.9	97.8	98.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 936

## CEILING VERSUS VISIBILITY

JUN  
MONTH

ALL  
HOURS IS

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING	•	45.5	47.8	52.9	55.3	55.8	56.2	55.5	56.6	56.7	56.7	56.7	56.3	56.3	56.3	56.9	
≥ 20000	•	47.5	54.5	57.9	61.4	61.9	61.4	61.2	61.9	62.1	62.1	62.1	62.2	62.2	62.2	62.3	
IV 18000	•	45.6	54.6	58.0	61.5	61.1	61.5	61.9	62.0	62.1	62.1	62.2	62.3	62.3	62.3	62.4	
IV 16000	•	49.6	54.6	58.0	61.5	61.1	61.5	61.9	62.1	62.2	62.2	62.2	62.3	62.3	62.3	62.4	
IV 14000	•	49.9	55.1	58.3	61.8	61.4	61.9	62.2	62.3	62.5	62.5	62.5	62.6	62.6	62.7	62.8	
IV 12000	•	52.1	57.3	61.7	63.3	63.8	64.3	64.7	64.8	65.0	65.1	65.1	65.1	65.2	65.2	65.2	
IV 10000	•	55.6	61.1	64.8	67.6	68.3	68.7	69.2	69.3	69.5	69.5	69.5	69.6	69.7	69.7	69.8	
IV 9000	•	55.6	61.4	65.1	67.9	68.3	69.1	69.4	69.6	69.8	69.8	69.8	69.9	69.9	70.1	70.1	
IV 8000	•	58.0	64.8	68.9	71.8	72.5	73.1	73.5	73.7	73.9	73.9	73.9	74.1	74.1	74.1	74.2	
IV 7000	•	59.6	65.2	69.9	72.8	73.5	74.1	74.6	74.7	74.9	75.1	75.1	75.1	75.1	75.2	75.3	
IV 6000	•	60.6	66.8	71.1	74.1	74.8	75.4	76.1	76.1	76.3	76.4	76.4	76.5	76.5	76.6	76.7	
IV 5000	•	62.6	69.3	73.4	76.6	77.3	78.0	78.5	78.7	78.9	78.9	78.9	79.1	79.1	79.1	79.3	
IV 4500	•	63.6	70.2	74.8	78.5	78.9	79.4	80.1	80.1	80.3	80.4	80.4	80.5	80.5	80.6	80.7	
IV 4000	•	66.2	73.5	78.4	82.0	82.9	83.7	84.3	84.4	84.6	84.6	84.6	84.8	84.8	84.9	85.1	
IV 3500	•	67.4	74.9	81.1	83.8	84.8	85.6	86.2	86.3	86.5	86.5	86.5	86.7	86.7	86.8	86.9	
IV 3000	•	68.7	76.4	81.8	85.6	86.6	87.5	88.1	88.2	88.4	88.5	88.5	88.7	88.7	88.8	88.9	
IV 2500	•	69.4	77.2	82.6	86.6	87.6	88.5	89.1	89.3	89.5	89.5	89.5	89.7	89.7	89.8	89.9	
IV 2000	•	70.3	78.4	84.0	88.1	89.2	90.2	90.8	90.9	91.2	91.2	91.2	91.4	91.4	91.5	91.6	
IV 1800	•	71.5	78.5	84.3	88.5	89.6	90.5	91.1	91.3	91.5	91.6	91.6	91.8	91.8	91.9	92.0	
IV 1500	•	71.2	79.5	85.4	89.8	90.9	91.9	92.5	92.7	92.9	93.0	93.0	93.2	93.2	93.3	93.4	
IV 1200	•	71.9	81.3	86.4	91.1	92.2	93.3	94.3	94.2	94.4	94.5	94.5	94.7	94.7	94.8	94.9	
IV 1000	•	72.5	81.1	87.5	92.4	93.6	94.8	95.5	95.7	96.0	96.1	96.1	96.3	96.3	96.4	96.5	
IV 900	•	72.7	81.5	87.9	92.8	94.1	95.2	96.1	96.2	96.5	96.6	96.6	96.8	96.8	96.9	97.0	
IV 800	•	72.5	81.7	88.2	93.3	94.5	95.9	96.7	96.9	97.2	97.3	97.3	97.5	97.5	97.6	97.7	
IV 700	•	73.1	81.9	85.4	93.7	95.1	96.4	97.3	97.5	97.8	97.9	97.9	98.1	98.1	98.2	98.3	
IV 600	•	73.1	81.9	85.6	93.9	95.3	96.6	97.7	97.9	98.2	98.3	98.4	98.6	98.6	98.7	98.8	
IV 500	•	73.2	82.1	88.7	94.2	95.6	97.1	98.0	98.3	98.7	98.8	98.8	99.0	99.0	99.1	99.3	
IV 400	•	73.2	82.1	88.8	94.3	95.7	97.3	98.2	98.5	98.9	99.1	99.1	99.3	99.3	99.4	99.5	
IV 300	•	73.2	82.1	88.8	94.3	95.7	97.3	98.3	98.6	99.0	99.2	99.2	99.5	99.5	99.6	99.8	
IV 200	•	73.2	82.1	88.8	94.3	95.7	97.3	98.3	98.7	99.1	99.3	99.3	99.6	99.6	99.7	99.9	
IV 100	•	73.2	82.1	88.8	94.3	95.7	97.3	98.3	98.7	99.1	99.3	99.3	99.6	99.6	99.8	99.9	
0	•	73.2	82.1	88.8	94.3	95.7	97.3	98.3	98.7	99.1	99.3	99.3	99.6	99.6	99.8	99.9	

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64



GLOBAL CLIMATOLOGY BRANCH  
 COMPTON  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725  
 STATION

RAVISON AAF/FT BELVOIR VA  
 STATION NAME

68-72, 73-79  
 YEARS

JUL  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-2359  
 HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING		39.5	44.2	48.4	54.5	55.2	57.4	58.3	59.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000		41.8	46.9	50.3	60.5	61.2	63.5	64.4	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 18000		41.6	46.5	52.3	60.5	61.2	63.5	64.4	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 16000		41.7	47.1	52.4	60.5	61.3	63.7	64.5	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 14000		41.8	47.1	52.5	60.8	61.4	63.8	64.6	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 12000		43.4	48.5	54.3	62.8	63.5	65.9	66.8	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 10000		46.5	53.4	60.5	69.9	70.6	73.7	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 9000		46.6	53.4	60.5	70.5	71.3	73.7	74.5	74.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 8000		48.9	55.5	63.5	74.8	75.7	78.1	79.4	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 7000		49.5	56.5	64.1	75.5	76.5	78.8	80.1	80.3	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 6000		51.2	57.3	65.4	76.8	77.6	80.1	81.4	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 5000		51.2	58.8	67.6	79.5	80.4	83.1	84.4	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4500		51.6	59.6	68.4	81.3	81.3	84.0	85.3	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 4000		52.4	61.2	70.2	83.8	84.9	87.8	89.4	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 3500		53.7	62.4	71.9	84.9	86.1	89.7	90.8	91.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3000		54.4	63.2	72.9	86.7	87.2	90.3	92.1	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2500		54.4	63.4	73.2	86.6	87.7	91.1	92.8	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2000		54.5	63.7	73.4	87.2	88.4	91.7	93.4	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800		54.5	63.8	73.5	87.3	88.5	91.8	93.5	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500		54.6	64.2	74.1	87.8	89.0	92.4	94.1	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200		55.3	65.1	75.1	88.9	90.1	93.5	95.3	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000		55.8	65.6	75.7	89.6	90.9	94.5	96.2	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900		56.0	65.8	75.9	89.9	91.2	95.1	96.8	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800		56.2	66.1	76.1	90.1	91.7	95.7	97.4	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700		56.6	66.5	76.7	90.8	92.4	96.3	98.1	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600		56.8	66.7	76.9	91.0	92.6	96.7	98.4	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500		56.8	66.8	77.1	91.2	92.8	97.0	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400		56.8	66.8	77.1	91.2	93.1	97.3	99.0	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		56.8	66.8	77.1	91.2	93.3	97.4	99.1	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		56.8	66.8	77.1	91.3	93.1	97.5	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		56.8	66.8	77.1	91.3	93.1	97.5	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		56.8	66.8	77.1	91.3	93.1	97.5	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 933

LOCAL CLIMATOLOGY BRANCH  
USAF ETAC  
ATMOSPHERIC SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION 8 JAVISON AAF/FT BELVOIR VA

62-77,73-79

JUL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

300-150  
HOURS PER YEAR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	.1	31.5	36.8	40.5	42.7	47.8	51.0	51.7	52.2	52.8	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	.1	35.1	41.1	44.9	53.1	54.4	58.3	59.2	59.9	60.6	61.1	61.1	61.1	61.1	61.1	61.1
≥ 18000	.1	35.1	41.1	44.9	53.2	54.5	58.4	59.4	59.9	60.8	61.2	61.2	61.2	61.2	61.2	61.2
≥ 16000	.1	35.1	41.1	44.9	53.2	54.5	58.4	59.4	59.9	60.8	61.2	61.2	61.2	61.2	61.2	61.2
≥ 14000	.1	35.3	41.7	45.2	53.7	54.9	58.8	59.8	60.3	61.2	61.6	61.6	61.6	61.6	61.6	61.6
≥ 12000	.1	37.5	42.8	48.1	56.6	57.8	61.9	63.1	63.7	64.5	64.9	64.9	64.9	64.9	64.9	64.9
≥ 10000	.1	43.0	45.5	53.0	62.4	64.1	68.4	69.8	70.3	71.2	71.5	71.6	71.6	71.6	71.6	71.6
≥ 9000	.1	40.1	46.8	53.5	63.1	64.7	69.1	70.5	71.1	71.9	72.4	72.4	72.4	72.4	72.4	72.4
≥ 8000	.1	41.2	48.4	55.8	65.7	66.8	74.1	75.5	76.1	76.9	77.4	77.4	77.5	77.5	77.5	77.5
≥ 7000	.1	42.6	49.6	57.1	68.3	70.3	75.9	77.2	77.7	78.6	79.2	79.2	79.4	79.4	79.4	79.4
≥ 6000	.1	42.5	50.2	57.7	69.1	71.2	76.8	78.2	78.7	79.6	80.2	80.2	80.3	80.3	80.3	80.3
≥ 5000	.1	42.5	52.6	58.8	70.5	72.6	78.3	79.7	80.2	81.1	81.7	81.7	81.8	81.8	81.8	81.8
≥ 4500	.1	43.3	50.7	59.1	71.1	73.1	79.8	80.2	80.8	81.6	82.3	82.3	82.4	82.4	82.4	82.4
≥ 4000	.1	44.2	52.4	60.6	73.2	75.5	81.3	82.7	83.2	84.1	84.7	84.7	84.8	84.8	84.8	84.8
≥ 3500	.1	44.6	53.7	61.3	73.9	76.3	82.3	83.7	84.2	85.1	85.8	85.8	85.9	85.9	85.9	85.9
≥ 3000	.1	45.2	53.8	62.2	74.7	77.2	83.1	84.5	85.1	85.9	86.7	86.7	86.8	86.8	86.8	86.8
≥ 2500	.1	45.7	54.5	63.2	75.9	78.5	84.4	85.8	86.3	87.2	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2000	.1	46.0	54.8	63.7	76.5	79.0	85.1	86.6	87.1	88.1	88.7	88.7	88.8	88.8	88.8	88.8
≥ 1800	.1	46.3	54.8	63.8	76.6	79.1	85.2	86.7	87.2	88.1	88.8	88.8	88.9	88.9	88.9	88.9
≥ 1500	.1	46.5	55.3	64.7	77.8	80.4	86.7	88.2	88.7	89.7	90.4	90.4	90.5	90.5	90.5	90.5
≥ 1200	.1	47.7	57.7	66.7	80.0	82.7	88.9	90.4	91.1	91.9	92.7	92.7	92.8	92.8	92.8	92.8
≥ 1000	.1	48.5	57.8	67.6	81.3	84.1	90.8	92.3	92.9	93.9	94.6	94.7	94.8	94.8	94.8	94.8
≥ 900	.1	48.5	57.8	67.6	81.4	84.3	91.0	92.5	93.1	94.1	94.8	94.9	95.1	95.1	95.1	95.1
≥ 800	.1	48.7	58.1	68.0	81.8	84.7	91.4	92.9	93.5	94.5	95.3	95.4	95.5	95.5	95.5	95.5
≥ 700	.1	48.8	58.3	68.3	82.4	85.5	92.4	94.1	94.7	95.7	96.5	96.6	96.7	96.7	96.7	96.7
≥ 600	.1	49.0	58.5	68.5	82.6	85.8	92.9	94.6	95.3	96.3	97.2	97.4	97.5	97.5	97.5	97.5
≥ 500	.1	49.2	59.1	69.2	83.7	86.9	94.2	96.0	96.7	97.7	98.6	98.8	98.9	98.9	98.9	98.9
≥ 400	.1	49.3	59.1	69.2	83.7	86.9	94.3	96.1	96.8	97.8	98.7	98.9	99.0	99.0	99.0	99.0
≥ 300	.1	49.2	59.1	69.2	83.7	87.0	94.4	96.5	97.1	98.2	99.0	99.2	99.4	99.4	99.4	99.4
≥ 200	.1	49.2	59.1	69.2	83.7	87.1	94.5	96.6	97.2	98.3	99.1	99.4	99.5	99.5	99.5	99.5
≥ 100	.1	49.2	59.1	69.2	83.7	87.1	94.5	96.7	97.3	98.4	99.2	99.6	99.7	99.7	99.7	99.7
≥ 0	.1	49.2	59.1	69.2	83.7	87.1	94.5	96.7	97.3	98.4	99.2	99.6	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION 8 LAIVISON AAF/FT BELVOIR VA

68-73,73-79

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-2800  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		51.2	36.5	41.8	47.2	43.4	50.2	51.5	51.9	52.5	52.7	53.0	53.0	53.1	53.1	53.1
≥ 20000		33.5	39.6	45.5	51.3	53.0	55.1	56.3	57.1	57.6	58.1	58.2	58.2	58.3	58.3	58.3
IV 18000		33.7	39.7	45.6	51.5	53.3	55.4	56.7	57.4	58.0	58.4	58.5	58.5	58.6	58.6	58.6
IV 16000		33.7	39.7	45.6	51.5	53.3	55.4	56.7	57.4	58.0	58.4	58.5	58.5	58.6	58.6	58.6
IV 14000		34.2	40.3	46.3	52.3	54.1	56.1	57.4	58.2	58.7	59.1	59.2	59.2	59.4	59.4	59.4
IV 12000		36.2	42.4	48.5	54.8	56.9	59.2	61.5	61.3	61.8	62.3	62.4	62.4	62.5	62.5	62.5
IV 10000		40.1	47.2	53.9	61.3	64.1	66.6	68.5	69.2	69.8	71.2	71.3	71.3	71.4	71.4	71.4
IV 9000		40.1	47.5	54.4	62.3	65.1	67.8	69.6	70.3	71.4	71.3	71.4	71.4	71.5	71.5	71.5
IV 8000		43.1	51.3	58.5	67.7	71.0	74.2	76.0	76.8	77.3	77.7	77.8	77.8	78.1	78.1	78.1
IV 7000		43.4	52.0	59.5	69.1	72.4	75.6	77.4	78.3	78.8	79.2	79.4	79.4	79.6	79.6	79.6
IV 6000		43.4	52.2	59.9	69.6	72.9	76.3	78.2	79.1	79.6	80.1	80.2	80.2	80.4	80.4	80.4
IV 5000		44.0	52.7	60.4	71.1	73.4	76.9	78.7	79.6	80.1	80.6	80.8	80.8	81.1	81.1	81.1
IV 4500		44.2	52.9	60.6	71.3	73.7	77.1	78.9	79.8	80.3	80.9	81.3	81.3	81.5	81.5	81.5
IV 4000		45.1	54.1	61.8	71.7	75.1	78.5	80.4	81.3	82.0	82.6	82.7	82.7	82.9	82.9	82.9
IV 3500		45.2	54.6	62.4	72.3	75.6	79.1	81.1	82.0	82.8	83.3	83.4	83.4	83.7	83.7	83.7
IV 3000		45.7	55.4	63.2	73.2	76.7	80.2	82.2	83.1	83.9	84.4	84.5	84.5	84.7	84.7	84.7
IV 2500		45.8	55.8	63.7	73.9	77.3	80.9	82.8	83.8	84.5	85.1	85.2	85.2	85.4	85.4	85.4
IV 2000		45.9	56.2	64.1	74.3	78.0	81.5	83.4	84.4	85.2	85.7	85.8	85.8	86.0	86.0	86.0
IV 1800		45.9	56.5	64.5	74.7	78.4	81.9	83.9	84.8	85.6	86.1	86.2	86.2	86.5	86.5	86.5
IV 1500		45.9	56.8	65.2	75.6	79.4	82.9	84.8	85.8	86.6	87.1	87.2	87.2	87.4	87.4	87.4
IV 1200		46.7	57.5	65.1	76.7	80.5	84.2	86.1	87.1	87.8	88.4	88.5	88.5	88.7	88.7	88.7
IV 1000		47.7	58.5	68.0	78.7	82.8	86.8	88.7	89.7	90.4	91.1	91.2	91.2	91.4	91.4	91.4
IV 900		48.0	57.7	68.3	79.6	83.9	88.0	90.0	91.1	91.8	92.5	92.6	92.6	92.8	92.8	92.8
IV 800		48.1	59.1	68.8	80.3	84.8	89.1	91.2	92.3	93.1	93.9	94.1	94.1	94.2	94.2	94.2
IV 700		48.2	59.2	68.9	80.9	85.7	90.2	92.5	93.5	94.3	95.2	95.3	95.3	95.5	95.5	95.5
IV 600		48.2	59.2	68.9	81.1	85.9	90.9	93.4	94.5	95.3	96.1	96.2	96.2	96.5	96.5	96.5
IV 500		48.2	59.2	68.9	81.3	86.2	91.2	94.1	95.2	96.0	97.1	97.1	97.2	97.4	97.4	97.4
IV 400		48.2	59.2	69.0	81.4	86.3	91.6	94.6	95.9	96.8	97.8	98.0	98.1	98.4	98.5	98.5
IV 300		48.2	59.2	69.0	81.4	86.3	91.7	94.7	96.0	96.9	98.1	98.1	98.2	98.5	98.6	98.6
IV 200		48.2	59.2	69.0	81.4	86.3	91.7	94.7	96.0	96.9	98.2	98.3	98.3	98.7	98.7	98.7
IV 100		48.2	59.2	69.0	81.4	86.3	91.7	94.7	96.0	96.9	98.2	98.3	98.3	98.7	98.7	98.7
IV 0		48.2	59.2	69.0	81.4	86.3	91.7	94.7	96.0	96.9	98.2	98.3	98.3	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

18  
STATION

JAIVISON AAF/FT BELVOIR VA

STATION NAME

55-71,73-79

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1963-1964  
HOURS 1151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING	.2	43.3	49.1	52.9	56.1	56.6	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000	.2	43.7	53.5	57.6	61.3	61.7	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000	.2	43.7	53.5	57.6	61.3	61.7	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 16000	.2	46.7	53.5	57.6	61.3	61.7	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 14000	.2	45.9	53.8	57.8	61.5	61.9	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 12000	.2	45.5	55.6	59.9	63.9	64.3	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	.2	53.3	60.9	65.6	71.4	71.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000	.2	53.8	61.4	66.3	71.0	71.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 8000	.2	56.9	65.8	71.5	76.5	77.2	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 7000	.2	57.4	66.7	72.9	77.8	78.6	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 6000	.2	57.8	67.2	73.5	78.7	79.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 5000	.2	58.5	68.3	74.3	79.5	80.2	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4500	.2	58.8	68.3	74.6	79.8	80.5	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000	.2	60.1	69.9	76.6	81.9	82.7	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3500	.2	61.4	71.3	78.1	83.5	84.3	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3000	.2	61.9	72.1	78.9	84.5	85.3	86.5	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	.2	62.7	73.1	80.1	85.9	86.7	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2000	.2	63.5	74.1	81.4	87.2	88.0	89.2	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1800	.2	63.7	74.5	81.8	87.7	88.5	89.8	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1500	.2	64.3	75.5	83.2	89.8	90.6	92.0	92.2	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1200	.2	65.4	76.9	85.4	92.6	93.5	95.2	95.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	.2	65.4	77.1	86.0	93.5	94.7	96.7	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	.2	65.4	77.1	86.0	94.0	95.2	97.3	97.6	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	.2	65.4	77.2	86.3	94.4	95.6	97.8	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	.2	65.5	77.3	86.7	94.8	96.0	98.4	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	.2	65.5	77.3	86.7	94.9	96.1	98.7	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	.2	65.5	77.3	86.7	94.9	96.1	98.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	.2	65.5	77.3	86.7	94.9	96.1	98.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	.2	65.5	77.3	86.7	94.9	96.1	98.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	.2	65.5	77.3	86.7	94.9	96.1	98.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	.2	65.5	77.3	86.7	94.9	96.1	98.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	.2	65.5	77.3	86.7	94.9	96.1	98.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFM WEATHER SERVICE/MAL

# CEILING VERSUS VISIBILITY

STATION NAME  
DAVISON AAF/FT BELVOIR VA

61-73-73

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1470  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	46.1	51.9	54.3	55.8	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥20000	51.1	57.7	6.4	63.7	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥18000	51.3	58.6	6.6	63.9	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥16000	51.5	58.8	6.8	63.9	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥14000	51.7	58.8	6.8	63.9	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥12000	53.1	62.1	62.5	66.1	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥10000	57.4	64.9	69.1	71.5	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥9000	57.5	65.7	68.7	72.3	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥8000	60.4	69.4	73.3	77.1	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥7000	60.8	69.7	73.8	77.5	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥6000	61.5	70.9	74.6	78.4	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥5000	62.6	72.9	76.6	81.6	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥4500	63.1	73.1	77.2	81.3	81.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥4000	66.2	77.2	81.5	85.8	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥3500	68.8	80.1	84.5	88.9	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥3000	73.1	82.7	87.0	91.6	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥2500	71.1	82.9	88.0	93.0	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥2000	72.3	84.7	89.4	94.7	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥1800	72.5	84.9	89.6	95.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥1500	72.6	84.7	90.2	95.9	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥1200	72.7	85.1	90.6	96.7	97.5	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥1000	73.0	85.4	91.0	97.1	98.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥900	73.1	85.4	91.1	97.3	98.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥800	73.3	85.4	91.1	97.4	98.4	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥700	73.0	85.4	91.1	97.4	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥600	73.0	85.4	91.1	97.5	98.5	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥500	73.0	85.4	91.1	97.5	98.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥400	73.0	85.4	91.1	97.5	98.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥300	73.0	85.4	91.1	97.5	98.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥200	73.0	85.4	91.1	97.5	98.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥100	73.0	85.4	91.1	97.5	98.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥0	73.0	85.4	91.1	97.5	98.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

7  
3CLIMATE CLIMATOLOGY BRANCH  
USAF ETAC  
AT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION LAVERGNE AAF/FT BELVOIR VA

58-77,73-79

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)15-7-73  
HOURS (EST.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	45.2	51.0	54.5	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 20000	51.0	59.2	61.8	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 18000	51.0	59.2	61.8	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 16000	51.0	59.2	61.8	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 14000	51.0	59.2	61.8	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 12000	51.0	59.2	61.8	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 10000	57.6	67.5	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 9000	57.7	67.7	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 8000	61.7	72.3	76.1	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000	62.0	72.9	77.1	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 6000	62.3	73.1	77.2	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 5000	63.0	74.4	78.7	81.9	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4500	63.5	75.3	79.5	82.8	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4000	65.9	78.3	82.9	87.3	87.7	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3500	68.1	80.6	85.5	90.3	90.8	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 3000	69.1	82.3	87.4	92.6	93.0	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2500	69.2	82.5	87.7	93.3	93.9	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2000	71.1	83.4	89.1	95.2	95.9	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	71.1	83.5	89.2	95.3	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	71.2	83.3	89.5	95.7	96.6	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4
≥ 1200	71.8	84.0	90.3	96.7	97.5	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.6
≥ 1000	71.9	84.9	91.5	96.9	97.7	98.5	98.5	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.9
≥ 900	70.9	84.8	91.5	96.9	97.7	98.5	98.5	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.9
≥ 800	70.9	84.8	91.5	97.0	97.8	98.6	98.6	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	99.0
≥ 700	70.9	84.8	91.6	97.4	98.3	99.0	99.0	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.5
≥ 600	70.9	84.8	91.8	97.6	98.5	99.2	99.2	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	70.9	84.8	91.8	97.6	98.5	99.2	99.2	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	70.9	84.8	91.9	97.7	98.6	99.4	99.4	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	70.9	84.8	91.9	97.7	98.6	99.4	99.4	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	70.9	84.8	91.9	97.7	98.6	99.4	99.4	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	70.9	84.8	91.9	97.7	98.6	99.4	99.4	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	70.9	84.8	91.9	97.7	98.6	99.4	99.4	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH  
 WAFITAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 728 JAVISON AAF/FT BELVOIR VA

68-70, 75-79

JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1833-2003  
 HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5-16	¾	≥0
NO CEILING	6.6	37.8	45.5	51.4	53.4	53.7	53.8	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 20000	6.6	43.6	49.6	54.7	58.8	59.1	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000	6.6	43.6	49.6	54.7	58.8	59.1	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000	6.6	43.6	49.6	54.7	58.8	59.1	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	6.6	43.6	49.6	54.7	58.8	59.2	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 12000	6.6	45.7	52.3	57.5	61.9	62.3	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	6.6	52.3	61.4	67.5	72.8	73.2	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 9000	6.6	53.5	62.5	68.6	73.9	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 8000	6.6	57.5	67.1	73.9	79.4	79.8	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 7000	6.6	57.7	67.4	74.2	79.7	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 6000	6.6	58.3	68.0	74.7	80.2	80.6	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 5000	6.6	54.7	64.2	76.6	81.8	83.3	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500	6.6	50.7	70.6	76.0	84.3	84.8	85.3	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 4000	6.6	62.0	73.1	87.8	87.7	88.6	89.2	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 3500	6.6	63.7	74.7	82.7	89.8	90.6	91.3	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 3000	6.6	64.1	75.9	84.1	92.6	93.5	94.6	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500	6.6	64.2	76.0	84.2	92.8	93.8	94.8	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2000	6.6	64.4	76.6	84.5	94.0	94.9	95.7	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	6.6	64.5	76.7	85.2	94.2	95.2	96.3	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	6.6	64.7	77.1	85.6	94.6	95.6	96.8	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1200	6.6	64.9	77.7	86.5	95.6	96.6	97.8	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	6.6	65.1	77.8	86.7	95.8	96.8	98.1	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	6.6	65.2	78.1	86.9	96.0	97.0	98.3	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	6.6	65.2	78.1	86.9	96.0	97.0	98.4	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	6.6	65.2	78.1	86.9	96.0	97.0	98.4	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	6.6	65.2	78.1	86.9	96.0	97.0	98.4	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	6.6	65.2	78.1	86.9	96.0	97.0	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	6.6	65.2	78.1	86.9	96.0	97.0	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	6.6	65.2	78.1	86.9	96.0	97.0	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	6.6	65.2	78.1	86.9	96.0	97.0	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	6.6	65.2	78.1	86.9	96.0	97.0	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	6.6	65.2	78.1	86.9	96.0	97.0	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 935

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NAME: DAVIDSON AAF/FT BELVOIR VA YEARS: 60-70, 73-79 MONTH: JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

4100-2300  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥16	≥0
NO CEILING	.4	4.5	46.5	51.9	55.1	55.7	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000	.4	43.2	5.4	55.9	61.8	62.5	63.8	64.3	64.3	64.3	64.4	64.4	64.4	64.6	64.6	64.6
≥ 18000	.4	43.5	5.4	55.9	61.8	62.5	63.8	64.3	64.3	64.3	64.4	64.4	64.4	64.6	64.6	64.6
≥ 16000	.4	43.5	5.4	55.9	61.8	62.5	63.8	64.3	64.3	64.3	64.4	64.4	64.4	64.6	64.6	64.6
≥ 14000	.4	43.5	5.4	55.9	61.8	62.5	63.8	64.4	64.4	64.4	64.5	64.5	64.5	64.7	64.7	64.7
≥ 12000	.4	45.5	52.7	57.7	63.7	64.3	66.1	66.6	66.6	66.6	66.7	66.7	66.7	66.9	66.9	66.9
≥ 10000	.4	47.5	57.7	64.1	71.7	72.5	74.2	74.7	74.7	74.7	74.8	74.8	74.8	75.1	75.1	75.1
≥ 9000	.4	47.8	58.1	64.5	72.4	73.1	74.9	75.4	75.4	75.4	75.5	75.5	75.5	75.7	75.7	75.7
≥ 8000	.4	52.3	61.1	68.3	76.9	77.6	79.5	80.1	80.1	80.1	80.2	80.2	80.4	80.4	80.4	80.4
≥ 7000	.4	52.7	61.5	68.5	77.1	77.8	79.8	80.3	80.4	80.4	80.5	80.5	80.8	80.8	80.8	80.8
≥ 6000	.4	52.8	61.6	68.7	77.3	78.1	80.3	80.5	80.6	80.6	80.8	80.8	81.0	81.0	81.0	81.0
≥ 5000	.4	53.5	63.1	71.8	79.6	80.5	82.5	83.0	83.1	83.1	83.2	83.2	83.4	83.4	83.4	83.4
≥ 4500	.4	54.4	64.1	71.7	81.1	81.8	83.8	84.3	84.4	84.4	84.5	84.5	84.7	84.7	84.7	84.7
≥ 4000	.4	55.5	65.4	74.1	84.3	85.1	87.4	88.6	88.7	88.7	88.8	88.8	89.1	89.1	89.1	89.1
≥ 3500	.4	56.3	67.1	75.5	85.9	86.8	89.1	90.3	90.4	90.4	90.5	90.5	90.8	90.8	90.8	90.8
≥ 3000	.4	57.4	68.3	76.9	88.0	88.9	91.5	92.7	92.8	92.8	92.9	92.9	93.2	93.2	93.2	93.2
≥ 2500	.4	57.5	68.4	77.3	88.6	89.7	92.4	93.5	93.7	93.7	93.8	93.8	94.1	94.1	94.1	94.1
≥ 2000	.4	58.4	69.7	79.4	89.9	91.1	94.7	95.2	95.3	95.3	95.4	95.4	95.7	95.7	95.7	95.7
≥ 1800	.4	58.4	69.7	78.4	89.9	91.1	94.3	95.2	95.3	95.3	95.4	95.4	95.7	95.7	95.7	95.7
≥ 1500	.4	59.0	70.3	79.2	91.1	92.1	95.1	96.2	96.3	96.3	96.5	96.5	96.9	96.9	96.9	96.9
≥ 1200	.4	57.2	70.5	79.7	91.5	92.1	95.6	96.9	97.0	97.0	97.2	97.2	97.5	97.5	97.5	97.5
≥ 1000	.4	59.6	71.9	80.1	91.9	93.1	96.3	97.6	97.7	97.7	98.0	98.0	98.3	98.3	98.3	98.3
≥ 900	.4	59.7	71.1	81.3	92.2	93.4	96.9	98.1	98.2	98.2	98.4	98.4	98.7	98.7	98.7	98.7
≥ 800	.4	59.8	71.1	81.4	92.4	93.7	97.1	98.3	98.4	98.4	98.6	98.6	98.9	98.9	98.9	98.9
≥ 700	.4	57.8	71.1	81.4	92.5	93.8	97.1	98.4	98.5	98.5	98.7	98.7	99.0	99.0	99.0	99.0
≥ 600	.4	57.8	71.1	81.4	92.5	93.8	97.2	98.5	98.6	98.6	98.8	98.8	99.1	99.1	99.1	99.1
≥ 500	.4	57.8	71.1	81.4	92.6	93.9	97.4	98.7	98.8	98.8	99.1	99.1	99.4	99.4	99.4	99.4
≥ 400	.4	59.9	71.1	83.4	92.7	94.2	97.7	99.1	99.2	99.2	99.5	99.5	99.8	99.8	99.8	99.8
≥ 300	.4	59.8	71.1	80.4	92.7	94.2	97.8	99.2	99.4	99.4	99.6	99.6	99.9	99.9	99.9	99.9
≥ 200	.4	59.8	71.1	80.4	92.7	94.2	97.8	99.2	99.4	99.4	99.6	99.6	99.9	99.9	99.9	99.9
≥ 100	.4	59.8	71.1	80.4	92.7	94.2	97.8	99.4	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0	.4	59.8	71.1	80.4	92.7	94.2	97.8	99.4	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 537



3  
JULIAL CLIMATOLOGY BRANCH  
WAFB  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

STATION 719 JAVISON AAF/FT BELVOIR VA

5c-71,73-79

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	39.7	45.7	49.1	55.2	53.8	55.1	55.5	55.6	55.8	55.9	55.9	56.1	56.1	56.1	56.1	56.1
≥ 20000	43.1	49.5	54.1	59.3	59.3	61.1	61.8	61.9	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.4
IV 18000	43.1	49.5	54.1	59.3	59.3	61.1	61.8	62.1	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 16000	43.1	49.5	54.1	59.3	59.3	61.1	61.8	62.1	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 14000	43.1	49.5	54.1	59.3	59.3	61.1	61.8	62.1	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 12000	43.1	49.5	54.1	59.3	59.3	61.1	61.8	62.1	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 10000	49.6	57.5	62.8	69.2	73.2	71.7	72.3	72.5	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 9000	49.6	57.5	62.8	69.2	73.2	71.7	72.3	72.5	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 8000	52.8	61.5	67.6	74.8	75.9	77.6	78.3	78.5	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 7000	53.2	62.1	68.4	75.7	76.8	78.6	79.2	79.5	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 6000	53.6	62.5	69.1	76.3	77.4	79.3	79.9	80.2	80.4	80.6	80.6	80.6	80.6	80.7	80.7	80.7
IV 5000	54.4	63.7	70.5	78.1	79.3	81.2	81.9	82.1	82.3	82.4	82.5	82.6	82.6	82.6	82.6	82.6
IV 4500	54.9	64.1	71.1	78.9	80.1	82.7	82.7	82.9	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.4
IV 4000	56.5	66.5	73.6	81.8	83.3	85.4	86.2	86.5	86.7	86.9	86.9	87.0	87.0	87.0	87.0	87.0
IV 3500	57.7	68.1	75.2	83.7	85.1	87.2	88.1	88.3	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 3000	58.5	69.1	76.6	85.4	86.8	89.1	89.9	90.2	90.5	90.6	90.6	90.6	90.6	90.7	90.7	90.7
IV 2500	58.8	69.6	77.2	86.3	87.6	90.0	90.8	91.1	91.4	91.6	91.6	91.7	91.7	91.7	91.7	91.7
IV 2000	59.4	70.3	78.1	87.4	88.8	91.2	92.1	92.4	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1800	59.4	70.3	78.1	87.4	88.8	91.2	92.1	92.4	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1500	59.7	71.1	79.1	88.5	90.1	92.5	93.4	93.7	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1200	61.3	71.8	80.0	87.8	91.4	94.0	94.9	95.1	95.5	95.7	95.7	95.7	95.7	95.8	95.8	95.8
IV 1000	61.7	72.3	80.7	89.6	92.3	95.1	96.0	96.3	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9
IV 900	61.8	72.4	80.8	89.9	92.6	95.5	96.4	96.7	97.0	97.3	97.3	97.4	97.4	97.4	97.4	97.4
IV 800	61.9	72.5	81.1	91.2	93.1	95.9	96.9	97.2	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 700	61.3	72.0	81.2	91.5	93.4	96.4	97.4	97.7	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4
IV 600	61.3	72.0	81.3	91.7	93.5	96.7	97.8	98.1	98.5	98.8	98.8	98.8	98.8	98.9	98.9	98.9
IV 500	61.1	72.7	81.4	91.9	93.8	97.1	98.2	98.5	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4
IV 400	61.1	72.7	81.4	91.9	93.9	97.2	98.4	98.7	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6
IV 300	61.1	72.7	81.4	91.9	93.9	97.2	98.5	98.8	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7
IV 200	61.1	72.7	81.4	92.0	93.9	97.3	98.5	98.9	99.2	99.5	99.6	99.6	99.7	99.8	99.8	99.8
IV 100	61.1	72.7	81.4	92.0	93.9	97.3	98.6	98.9	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.8
IV 0	61.1	72.7	81.4	92.0	93.9	97.3	98.6	98.9	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 744

1  
3  
CENTRAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (EST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	4.4	32.1	44.4	52.8	59.8	61.4	62.2	63.1	63.5	63.7	63.8	63.8	63.9	63.9	64.1	64.1
≥ 20000	4.4	4.7	47.4	55.6	64.5	65.2	67.1	67.1	68.5	68.6	68.7	68.7	68.8	68.8	69.1	69.1
≥ 18000	4.4	4.7	47.6	55.8	64.5	65.2	67.1	68.1	68.5	68.6	68.7	68.7	68.8	68.8	69.0	69.0
≥ 16000	4.4	4.7	47.6	55.8	64.5	65.2	67.1	68.1	68.5	68.6	68.7	68.7	68.8	68.8	69.1	69.1
≥ 14000	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 12000	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 10000	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 9000	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 8000	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 7000	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 6000	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 5000	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 4500	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 4000	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 3500	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 3000	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 2500	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 2000	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 1800	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 1500	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 1200	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 1000	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 900	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 800	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 700	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 600	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 500	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 400	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 300	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 200	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 100	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2
≥ 0	4.4	4.7	47.7	55.9	64.7	65.4	67.3	68.3	68.7	68.8	68.9	68.9	68.9	69.1	69.2	69.2

TOTAL NUMBER OF OBSERVATIONS 931

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

DAVISON AAF/FT BELVOIR VA

65-73, 73-79

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

4339-7536  
HOURS (EST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	.2	33.3	41.2	49.7	57.8	65.1	62.5	53.1	63.2	64.1	64.4	64.4	64.4	64.4	64.4	64.4
≥ 20000	.2	34.7	42.5	52.4	61.8	64.3	64.8	67.6	67.8	68.7	69.0	69.1	69.1	69.1	69.1	69.1
≥ 18000	.2	34.7	42.5	52.4	61.8	64.3	66.8	67.6	67.8	68.7	69.0	69.1	69.1	69.1	69.1	69.1
≥ 16000	.2	34.7	42.5	52.4	61.8	64.3	66.8	67.6	67.8	68.7	69.0	69.1	69.1	69.1	69.1	69.1
≥ 14000	.2	35.4	43.1	53.1	62.6	65.1	67.5	68.4	68.6	69.5	69.8	69.9	69.9	69.9	69.9	69.9
≥ 12000	.2	36.8	44.7	54.6	64.6	67.1	69.5	71.4	71.6	71.5	71.8	71.9	71.9	71.9	71.9	71.9
≥ 10000	.2	38.5	47.4	58.4	68.7	71.4	73.9	74.7	74.9	76.0	76.3	76.5	76.5	76.5	76.5	76.5
≥ 9000	.2	38.6	47.3	58.5	68.8	71.5	74.0	74.8	75.1	76.1	76.5	76.6	76.6	76.6	76.6	76.6
≥ 8000	.2	40.1	49.1	60.3	71.2	73.9	76.6	77.4	77.6	78.8	79.1	79.2	79.2	79.2	79.2	79.2
≥ 7000	.2	40.2	50.2	61.5	72.5	75.2	78.0	78.8	79.1	80.2	80.5	81.6	81.6	81.6	81.6	81.6
≥ 6000	.2	41.8	51.2	62.6	73.8	76.6	79.4	80.3	80.5	81.7	82.1	82.2	82.2	82.2	82.2	82.2
≥ 5000	.2	42.3	52.4	64.3	75.7	78.6	81.4	82.4	82.6	83.8	84.1	84.2	84.2	84.2	84.2	84.2
≥ 4500	.2	42.4	52.9	64.6	76.1	79.0	81.8	82.8	83.0	84.2	84.5	84.6	84.6	84.6	84.6	84.6
≥ 4000	.2	43.2	54.4	66.2	77.8	80.8	83.7	84.6	84.9	86.1	86.5	86.6	86.6	86.6	86.6	86.6
≥ 3500	.2	43.8	54.7	67.0	78.6	81.5	84.4	85.4	85.7	86.9	87.2	87.3	87.3	87.3	87.3	87.3
≥ 3000	.2	44.3	55.7	67.8	79.9	82.8	85.8	86.8	87.1	88.3	88.6	88.7	88.7	88.7	88.7	88.7
≥ 2500	.2	44.7	56.2	68.4	80.6	83.5	86.6	87.5	87.8	89.0	89.4	89.5	89.5	89.5	89.5	89.5
≥ 2000	.2	44.9	56.4	68.7	81.3	84.3	87.5	88.6	88.9	90.1	90.4	90.5	90.5	90.5	90.5	90.5
≥ 1800	.2	45.2	56.8	68.9	81.5	84.5	87.7	88.8	89.1	90.3	90.6	90.8	90.8	90.8	90.8	90.8
≥ 1500	.2	45.5	57.1	69.2	81.7	84.7	87.9	89.0	89.3	90.5	90.8	91.0	91.0	91.0	91.0	91.0
≥ 1200	.2	46.0	57.8	70.3	82.9	85.1	89.8	90.9	91.2	92.4	92.8	92.9	92.9	92.9	92.9	92.9
≥ 1000	.2	46.6	58.7	71.3	84.5	87.7	91.4	92.5	92.8	94.0	94.4	94.5	94.5	94.5	94.5	94.5
≥ 900	.2	47.2	59.5	72.2	85.4	88.6	92.3	93.3	93.7	94.8	95.3	95.4	95.4	95.4	95.4	95.4
≥ 800	.2	47.4	60.7	72.7	85.9	89.1	92.8	93.9	94.2	95.4	95.8	95.9	95.9	95.9	95.9	95.9
≥ 700	.2	47.6	60.2	72.9	86.5	89.7	93.4	94.6	94.9	96.5	96.9	97.0	97.0	97.0	97.0	97.0
≥ 600	.2	47.7	60.4	73.1	86.9	90.3	94.1	95.3	95.6	97.1	97.5	97.6	97.6	97.6	97.6	97.6
≥ 500	.2	47.7	60.4	73.3	87.1	90.5	94.4	95.8	96.1	97.6	98.1	98.2	98.2	98.2	98.2	98.2
≥ 400	.2	47.8	60.5	73.4	87.3	90.8	94.6	96.3	96.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4
≥ 300	.2	47.8	60.5	73.4	87.3	90.8	94.7	96.5	96.8	98.3	98.7	98.8	98.9	99.0	99.0	99.0
≥ 200	.2	47.8	60.5	73.4	87.4	90.9	94.8	96.6	97.1	98.6	99.1	99.4	99.6	99.7	99.7	99.7
≥ 100	.2	47.8	60.5	73.4	87.4	90.9	94.8	96.6	97.1	98.7	99.2	99.5	99.8	99.9	99.9	99.9
≥ 0	.2	47.8	60.5	73.4	87.4	90.9	94.8	96.6	97.1	98.7	99.2	99.5	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 935

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

728  
STATION

DAVISON AAF/FI BELVOIR VA  
STATION NAME

66-70,73-79  
YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1613-2870  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		19.1	35.7	41.9	47.8	50.5	53.4	54.9	55.2	55.6	56.2	56.3	56.5	56.5	56.5	56.5
≥ 20000		29.7	37.	44.3	51.7	54.7	57.1	58.8	59.1	59.9	60.6	60.8	60.9	60.9	60.9	60.9
≥ 18000		29.7	37.	44.3	51.7	54.7	57.1	58.8	59.1	59.9	60.6	60.8	60.9	60.9	60.9	60.9
≥ 16000		29.7	37.	44.3	51.7	54.7	57.1	58.8	59.1	59.9	60.6	60.8	60.9	60.9	60.9	60.9
≥ 14000		29.7	37.5	44.8	51.6	54.7	58.1	59.9	60.2	61.3	61.7	61.8	61.9	61.9	61.9	61.9
≥ 12000		31.7	39.7	47.4	54.4	57.7	61.3	63.3	63.7	64.4	65.2	65.3	65.4	65.4	65.4	65.4
≥ 10000		34.5	43.4	52.7	61.1	65.3	69.4	71.4	71.8	72.6	73.3	73.4	73.5	73.5	73.5	73.5
≥ 9000		34.5	43.5	52.8	61.5	65.7	69.9	71.9	72.4	73.1	73.9	74.7	74.1	74.1	74.1	74.1
≥ 8000		36.3	45.4	54.8	64.1	68.4	72.9	75.2	75.6	76.3	77.3	77.4	77.5	77.5	77.5	77.5
≥ 7000		36.3	45.7	55.3	64.8	69.1	73.7	76.1	76.6	77.3	78.3	78.4	78.5	78.5	78.5	78.5
≥ 6000		36.8	46.5	56.3	65.9	70.2	74.7	77.2	77.6	78.4	79.4	79.5	79.6	79.6	79.6	79.6
≥ 5000		37.2	47.5	57.6	67.2	71.7	76.3	78.8	79.2	80.1	81.1	81.2	81.2	81.2	81.2	81.2
≥ 4500		37.3	47.7	57.8	67.4	71.9	76.6	79.0	79.5	80.2	81.2	81.3	81.4	81.4	81.4	81.4
≥ 4000		38.0	48.5	58.9	68.8	73.5	78.4	81.0	81.4	82.2	83.1	83.2	83.3	83.3	83.3	83.3
≥ 3500		38.1	48.7	59.2	69.2	74.0	78.8	81.4	81.8	82.6	83.5	83.7	83.8	83.8	83.8	83.8
≥ 3000		38.5	49.1	59.7	69.8	74.6	79.5	82.2	82.6	83.3	84.3	84.4	84.5	84.5	84.5	84.5
≥ 2500		38.5	49.2	59.8	70.0	74.9	79.8	82.6	83.1	83.8	84.7	84.8	84.9	84.9	84.9	84.9
≥ 2000		38.7	49.6	60.1	70.3	75.3	80.2	83.0	83.4	84.2	85.2	85.3	85.4	85.4	85.4	85.4
≥ 1800		38.7	49.6	60.1	70.3	75.3	80.2	83.0	83.4	84.2	85.2	85.3	85.4	85.4	85.4	85.4
≥ 1500		38.9	49.8	60.4	70.8	75.9	80.9	83.5	84.4	85.2	86.1	86.2	86.3	86.3	86.3	86.3
≥ 1200		39.5	50.8	61.4	71.7	77.0	81.9	84.9	85.6	86.3	87.3	87.4	87.5	87.5	87.5	87.5
≥ 1000		40.1	51.1	61.9	72.8	78.4	83.3	86.3	87.1	87.8	88.8	88.9	89.1	89.1	89.1	89.1
≥ 900		41.1	52.1	63.1	74.4	80.1	85.1	88.9	89.7	90.6	90.8	91.3	91.3	91.3	91.3	91.3
≥ 800		41.5	52.6	63.7	75.2	81.0	86.2	89.4	90.2	91.0	91.9	92.0	92.3	92.3	92.3	92.3
≥ 700		41.5	53.	64.2	76.1	82.3	88.0	91.3	92.7	93.0	94.1	94.2	94.4	94.4	94.4	94.4
≥ 600		41.9	53.4	64.6	76.9	83.1	88.9	92.5	93.8	94.6	95.8	95.9	96.1	96.1	96.1	96.1
≥ 500		41.9	53.4	64.6	77.1	83.7	89.1	93.9	95.3	96.1	97.3	97.4	97.6	97.6	97.6	97.6
≥ 400		41.9	53.4	64.6	77.2	83.8	89.4	94.2	95.6	96.7	98.1	98.3	98.5	98.5	98.5	98.5
≥ 300		42.0	53.5	64.7	77.3	83.9	89.5	94.3	95.7	97.1	98.5	98.7	98.9	98.9	98.9	98.9
≥ 200		42.0	53.5	64.7	77.3	83.9	89.5	94.3	95.7	97.1	98.7	99.0	99.4	99.4	99.4	99.4
≥ 100		42.0	53.5	64.7	77.3	83.9	89.5	94.3	95.7	97.1	98.7	99.0	99.4	99.4	99.4	99.4
≥ 0		42.0	53.5	64.7	77.3	83.9	89.5	94.3	95.7	97.1	98.7	99.0	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 931

JOINT CLIMATELOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
DAVISON AAF/FT BELVOIR VA

STATION NAME  
DAVISON AAF/FT BELVOIR VA

YEARS  
66-70, 73-79

MONTH  
AUG

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (EST.)  
3900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	43.3	52.7	55.6	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 20000	46.6	55.8	59.6	62.6	62.8	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000	46.6	56.1	59.9	62.9	63.1	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 16000	46.6	56.1	59.9	62.9	63.1	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 14000	47.6	57.2	61.3	64.3	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 12000	50.1	59.9	64.6	67.7	68.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 10000	53.1	64.9	70.6	74.1	74.6	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 9000	53.2	64.9	71.0	74.5	75.1	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 8000	54.0	66.0	72.5	76.5	77.1	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 7000	54.8	67.1	73.5	77.6	78.4	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 6000	55.2	67.5	74.2	78.3	79.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 5000	55.7	68.3	75.1	79.2	80.2	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4500	55.8	68.5	75.3	79.7	80.6	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4000	56.7	69.4	76.3	81.1	82.0	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3500	56.9	69.9	77.2	82.3	83.2	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3000	57.5	71.0	78.7	83.9	84.8	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2500	57.7	71.3	79.1	84.4	85.4	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 2000	58.2	71.6	80.0	85.4	86.3	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1800	58.3	71.9	80.3	85.7	86.7	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1500	59.6	73.2	81.6	86.7	88.9	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1200	61.1	75.7	84.1	87.9	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1000	61.7	75.9	85.1	92.5	94.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	61.9	76.3	85.6	93.4	94.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	62.7	77.4	86.7	94.6	96.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	62.8	77.5	86.8	95.3	97.1	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600	62.9	77.6	87.2	95.7	97.6	98.9	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	63.0	78.0	87.3	95.8	97.8	99.1	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	63.3	78.1	87.3	95.8	97.8	99.1	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	63.0	78.0	87.3	95.8	97.8	99.1	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	63.0	78.0	87.3	95.8	97.8	99.1	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	63.0	78.0	87.3	95.8	97.8	99.1	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	63.2	78.3	87.3	95.8	97.8	99.1	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

718  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-77,73-79  
YEARS

AUG  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING ≥ 20000	5.2	56.8	59.1	61.0	61.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 18000	55.2	62.5	65.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 16000	55.2	62.5	65.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 14000	55.6	62.9	65.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 12000	54.7	66.3	69.1	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 10000	63.2	71.4	75.1	77.2	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 9000	63.4	71.6	75.4	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 8000	64.8	73.4	77.7	81.3	82.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 7000	65.2	74.7	78.3	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000	65.4	74.2	78.6	81.3	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 5000	65.3	75.1	79.6	82.4	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 4500	66.1	75.2	79.8	82.9	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	68.2	77.6	82.5	86.3	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3500	73.3	83.5	85.4	87.7	90.3	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3000	72.6	82.4	87.5	92.2	92.5	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2500	73.2	83.7	89.0	93.8	94.1	94.3	94.3	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2000	73.3	84.4	84.8	94.7	95.2	95.4	95.4	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	74.0	84.6	90.0	95.4	95.8	96.0	96.0	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1500	74.3	85.1	90.8	96.3	97.2	97.4	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200	74.4	85.2	91.2	97.3	97.8	98.1	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	74.7	85.5	91.3	98.2	98.5	98.7	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	74.7	85.5	91.3	98.1	98.6	98.8	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	74.7	85.5	91.6	98.5	99.0	99.2	99.2	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	74.9	85.8	91.6	98.5	99.1	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	75.3	86.1	91.9	98.8	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	75.3	86.1	91.9	98.8	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	75.3	86.1	91.9	98.8	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	75.3	86.1	91.9	98.8	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	75.3	86.1	91.9	98.8	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	75.3	86.1	91.9	98.8	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	75.3	86.1	91.9	98.8	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AT WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 14078 DAVISON AAF/FT BELVOIR VA

63-77, 73-79

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

500-1700  
HOURS (EST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		51.2	56.3	58.5	67.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 20000		50.3	62.3	64.5	65.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 18000		56.2	62.3	64.5	65.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000		56.2	62.3	64.5	65.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 14000		56.2	62.3	64.5	65.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 12000		56.2	62.3	64.5	65.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000		64.5	72.5	75.4	73.3	76.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 9000		65.3	72.5	75.2	73.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 8000		67.2	75.5	77.2	82.3	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 7000		67.4	75.9	79.8	83.0	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 6000		67.6	76.3	80.2	83.4	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 5000		67.7	77.5	81.4	84.6	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 4500		69.4	78.2	82.2	85.4	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 4000		71.6	81.5	86.3	91.1	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 3500		72.3	82.4	87.3	91.3	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 3000		74.1	84.7	89.5	94.1	94.7	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 2500		75.1	85.9	91.1	95.5	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 2000		75.2	86.0	91.6	96.2	97.1	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1800		75.2	86.0	91.6	96.3	97.3	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1500		75.3	86.1	91.7	96.5	97.4	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1200		75.3	86.2	91.9	96.8	97.7	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000		75.6	86.5	92.0	96.9	97.8	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 900		75.9	86.8	92.4	97.2	98.2	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800		75.9	86.8	92.4	97.3	98.3	99.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700		75.9	86.8	92.4	97.3	98.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600		76.0	86.9	92.5	97.4	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500		76.0	86.9	92.5	97.4	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400		76.0	86.9	92.5	97.4	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300		76.0	86.9	92.5	97.4	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200		76.0	86.9	92.5	97.4	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100		76.0	86.9	92.5	97.4	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0		76.0	86.9	92.5	97.4	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 930

JOINT CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
708

STATION NAME  
DAVISON AAF/FT BELVOIR VA

YEARS  
68-70, 73-79

MONTH  
AUG

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)  
1807-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING		43.6	47.6	52.6	55.7	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 20000		47.5	54.7	58.8	62.2	62.6	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 18000		47.6	54.8	58.9	62.3	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 16000		47.6	54.8	58.9	62.3	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 14000		48.2	55.4	59.7	63.1	63.5	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000		50.6	58.3	63.7	67.1	67.6	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 10000		55.3	65.1	71.1	74.8	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 9000		55.4	65.3	71.4	75.2	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000		58.4	69.1	75.9	80.2	81.0	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 7000		58.8	69.5	76.9	81.3	82.2	82.6	82.8	82.9	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 6000		58.9	70.3	77.3	81.7	82.6	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000		60.1	71.4	78.5	83.2	84.1	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4500		60.4	72.0	79.1	83.9	84.7	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 4000		63.1	75.4	83.5	88.6	89.7	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 3500		64.3	77.6	85.7	91.9	92.0	92.6	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000		65.3	79.6	87.7	93.2	94.5	95.3	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2500		66.6	80.6	88.9	94.6	96.0	96.9	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000		67.0	81.4	89.8	95.6	97.0	97.8	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800		67.2	81.4	89.8	95.6	97.0	97.8	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500		67.2	81.4	89.8	95.6	97.0	97.8	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200		67.4	81.9	90.2	96.0	97.4	98.3	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000		67.6	82.1	90.4	96.2	97.6	98.5	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900		67.6	82.1	90.4	96.2	97.6	98.5	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800		67.6	82.2	90.6	96.5	97.8	98.7	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		67.6	82.2	90.6	96.5	97.8	98.7	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600		67.6	82.2	90.6	96.5	97.8	98.8	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		67.6	82.2	90.6	96.5	97.8	98.8	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		67.6	82.2	90.6	96.5	97.8	98.8	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		67.6	82.2	90.6	96.5	97.8	98.8	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200		67.6	82.2	90.6	96.5	97.8	98.8	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		67.6	82.2	90.6	96.5	97.8	98.8	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0		67.6	82.2	90.6	96.5	97.8	98.8	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930



3

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

0728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		39.6	47.2	53.8	58.3	58.8	59.8	62.4	67.6	60.8	60.8	67.8	67.8	60.8	60.8	60.8
≥ 20000		42.8	51.2	58.6	63.8	64.3	65.3	66.0	66.2	66.3	66.3	66.3	66.5	66.5	66.5	66.5
IV ≥ 18000		42.8	51.2	58.6	63.8	64.3	65.3	66.0	66.2	66.3	66.3	66.3	66.5	66.5	66.5	66.5
IV ≥ 16000		42.8	51.2	58.6	63.8	64.3	65.3	66.0	66.2	66.3	66.3	66.3	66.5	66.5	66.5	66.5
IV ≥ 14000		43.1	51.6	59.1	64.2	64.7	65.7	66.5	66.7	66.8	66.8	66.8	66.9	66.9	66.9	66.9
IV ≥ 12000		45.1	55.2	62.6	68.1	68.6	69.8	71.5	73.8	70.9	70.9	71.0	71.0	71.0	71.0	71.0
IV ≥ 10000		50.3	61.6	67.1	75.2	75.7	77.2	78.1	78.7	78.3	78.3	78.3	78.4	78.4	78.4	78.4
IV ≥ 9000		50.8	62.1	69.8	75.8	76.3	77.8	78.6	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.0
IV ≥ 8000		53.1	65.2	73.7	79.9	80.5	82.4	83.1	83.3	83.4	83.4	83.4	83.5	83.5	83.5	83.5
IV ≥ 7000		53.2	65.4	73.9	80.1	80.8	82.8	83.5	83.8	84.0	84.0	84.0	84.1	84.1	84.1	84.1
IV ≥ 6000		53.7	66.2	74.7	81.1	81.7	83.8	84.5	84.7	84.9	84.9	84.9	85.1	85.1	85.1	85.1
IV ≥ 5000		54.2	67.2	75.9	82.5	83.2	85.3	86.0	86.2	86.5	86.5	86.5	86.6	86.6	86.6	86.6
IV ≥ 4500		54.5	68.0	76.7	83.2	84.0	86.0	86.8	87.1	87.3	87.4	87.4	87.5	87.5	87.5	87.5
IV ≥ 4000		56.2	70.8	79.8	85.6	87.4	89.7	90.4	91.6	91.7	91.1	91.1	91.2	91.2	91.2	91.2
IV ≥ 3500		57.8	72.3	81.5	88.9	89.8	92.0	92.8	93.0	93.3	93.4	93.4	93.5	93.5	93.5	93.5
IV ≥ 3000		58.7	73.7	83.2	90.6	91.5	93.9	94.6	94.8	95.2	95.3	95.3	95.4	95.4	95.4	95.4
IV ≥ 2500		59.1	74.4	84.2	91.7	92.6	95.3	96.0	96.2	96.6	96.7	96.7	96.8	96.8	96.8	96.8
IV ≥ 2000		59.4	74.8	84.6	92.2	93.0	95.9	96.6	96.8	97.1	97.2	97.2	97.3	97.3	97.3	97.3
IV ≥ 1800		59.5	74.9	84.9	92.5	93.3	96.1	96.9	97.1	97.4	97.5	97.5	97.6	97.6	97.6	97.6
IV ≥ 1500		59.2	75.7	85.7	93.4	94.3	97.1	98.0	98.2	98.5	98.6	98.6	98.7	98.7	98.7	98.7
IV ≥ 1200		60.6	76.1	86.1	94.1	94.9	97.7	98.6	98.8	99.1	99.2	99.2	99.4	99.4	99.4	99.4
IV ≥ 1000		60.8	76.2	86.2	94.2	95.1	97.8	98.7	98.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5
IV ≥ 900		60.8	76.2	86.2	94.2	95.1	97.8	98.7	98.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5
IV ≥ 800		60.9	76.3	86.3	94.3	95.2	98.0	98.8	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6
IV ≥ 700		61.0	76.5	86.5	94.4	95.3	98.1	98.9	99.1	99.5	99.6	99.6	99.8	99.8	99.8	99.8
IV ≥ 600		61.0	76.5	86.5	94.4	95.3	98.1	98.9	99.1	99.5	99.6	99.6	99.8	99.8	99.8	99.8
IV ≥ 500		61.1	76.6	86.6	94.5	95.4	98.2	99.0	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9
IV ≥ 400		61.1	76.6	86.6	94.5	95.4	98.2	99.0	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9
IV ≥ 300		61.1	76.6	86.6	94.5	95.4	98.2	99.0	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9
IV ≥ 200		61.1	76.6	86.6	94.5	95.4	98.2	99.0	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9
IV ≥ 100		61.1	76.6	86.6	94.5	95.4	98.2	99.0	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9
IV ≥ 0		61.1	76.6	86.6	94.5	95.4	98.2	99.0	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
7208

STATION NAME  
DAVISON AAF/FT BELVOIR VA

YEARS  
65-70, 73-79

MONTH  
AUG

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS TEST  
ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	40.7	47.7	53.0	57.4	58.2	59.3	59.7	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.3	60.3
≥ 20000	44.1	51.7	57.4	62.4	63.3	64.5	65.1	65.2	65.5	65.6	65.6	65.7	65.7	65.7	65.7	65.7
≥ 18000	44.1	51.7	57.4	62.5	63.4	64.6	65.1	65.3	65.5	65.7	65.7	65.7	65.7	65.7	65.8	65.8
≥ 16000	44.1	51.7	57.4	62.5	63.4	64.6	65.1	65.3	65.5	65.7	65.7	65.7	65.7	65.7	65.8	65.8
≥ 14000	44.1	52.3	58.1	63.2	64.1	65.3	65.9	66.1	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5
≥ 12000	46.4	55.2	61.3	66.5	67.6	68.8	69.4	69.6	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 10000	51.7	60.1	67.2	73.0	74.2	75.6	76.2	76.3	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8
≥ 9000	50.5	60.3	67.4	73.3	74.6	76.0	76.6	76.7	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2
≥ 8000	52.8	62.8	70.3	76.6	77.9	79.5	80.1	80.3	80.5	80.7	80.7	80.8	80.8	80.8	80.8	80.8
≥ 7000	53.2	63.4	71.0	77.4	78.7	80.3	81.0	81.2	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7
≥ 6000	53.6	63.9	71.7	78.2	79.6	81.2	81.9	82.1	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 5000	54.4	65.0	72.9	79.5	81.0	82.7	83.4	83.5	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500	54.6	65.4	73.3	80.1	81.5	83.2	83.9	84.1	84.4	84.6	84.6	84.6	84.6	84.6	84.7	84.7
≥ 4000	56.2	67.6	75.9	83.0	84.5	86.3	87.0	87.2	87.5	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 3500	57.1	68.9	77.2	84.6	86.2	88.0	88.7	88.9	89.2	89.4	89.4	89.5	89.5	89.5	89.5	89.5
≥ 3000	58.1	70.1	78.8	85.4	88.0	89.9	90.6	90.8	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2500	58.6	70.9	79.6	87.3	89.0	91.0	91.7	91.9	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2000	58.9	71.3	80.2	88.1	89.8	91.8	92.6	92.8	93.1	93.3	93.4	93.4	93.4	93.4	93.5	93.5
≥ 1800	59.0	71.4	80.3	88.3	90.0	92.0	92.8	93.0	93.3	93.6	93.6	93.7	93.7	93.7	93.7	93.7
≥ 1500	59.5	71.9	81.0	89.1	90.9	93.0	93.8	94.0	94.3	94.6	94.6	94.7	94.7	94.7	94.7	94.7
≥ 1200	60.1	72.6	81.7	90.0	91.9	94.0	94.8	95.1	95.4	95.6	95.6	95.7	95.7	95.7	95.8	95.8
≥ 1000	60.3	73.1	82.1	90.8	92.7	94.9	95.7	96.0	96.3	96.5	96.5	96.6	96.6	96.6	96.7	96.7
≥ 900	60.6	73.3	82.6	91.4	93.3	95.5	96.3	96.6	96.9	97.2	97.2	97.3	97.3	97.3	97.3	97.3
≥ 800	60.8	73.7	82.9	91.8	93.8	96.0	96.9	97.1	97.5	97.7	97.8	97.8	97.8	97.8	97.9	97.9
≥ 700	60.9	73.8	83.1	92.1	94.1	96.4	97.4	97.6	98.1	98.3	98.4	98.5	98.5	98.5	98.5	98.5
≥ 600	61.1	74.0	83.3	92.4	94.4	96.8	97.8	98.1	98.5	98.9	98.9	99.0	99.0	99.0	99.0	99.0
≥ 500	61.1	74.0	83.4	92.5	94.6	97.1	98.2	98.6	99.1	99.4	99.4	99.5	99.5	99.5	99.6	99.6
≥ 400	61.2	74.1	83.4	92.5	94.7	97.1	98.3	98.6	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7
≥ 300	61.2	74.0	83.4	92.5	94.7	97.2	98.3	98.7	99.2	99.6	99.7	99.8	99.8	99.8	99.9	99.9
≥ 200	61.2	74.0	83.4	92.5	94.7	97.2	98.3	98.7	99.2	99.6	99.7	99.8	99.8	99.8	99.9	99.9
≥ 100	61.2	74.0	83.4	92.5	94.7	97.2	98.3	98.7	99.2	99.6	99.7	99.8	99.8	99.8	99.9	99.9
≥ 0	61.2	74.0	83.4	92.5	94.7	97.2	98.3	98.7	99.2	99.6	99.7	99.8	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7447

3

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE / MAC

## CEILING VERSUS VISIBILITY

51708  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70,73-79  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000		43.1 44.6	48.2 51.1	53.7 55.9	58.9 61.2	63.4 61.9	63.0 62.7	61.0 63.9	61.0 63.9	61.1 64.3	61.1 64.2	61.1 64.3	61.1 64.4	61.1 64.4	61.6 64.7	61.7 65.1
≥ 18000		44.9	51.3	56.1	61.4	62.1	62.9	64.1	64.1	64.6	64.6	64.6	64.7	64.7	65.1	65.2
≥ 16000		44.6	51.3	56.1	61.4	62.1	62.9	64.1	64.1	64.6	64.6	64.6	64.7	64.7	65.1	65.2
≥ 14000		45.1	50.6	56.3	61.7	62.3	63.1	64.3	64.3	64.8	64.8	64.8	64.9	64.9	65.3	65.4
≥ 12000		47.2	53.3	59.2	64.6	65.2	66.1	67.2	67.2	67.7	67.7	67.7	67.8	67.8	68.2	68.3
≥ 10000		51.8	57.9	64.3	69.8	71.4	71.3	72.6	72.6	73.0	73.0	73.0	73.1	73.1	73.6	73.7
≥ 9000		51.8	58.1	64.6	71.0	70.7	71.6	72.8	72.8	73.2	73.2	73.2	73.3	73.3	73.8	73.9
≥ 8000		54.8	61.3	68.2	74.6	75.2	75.1	77.3	77.3	77.8	77.9	77.9	78.1	78.1	78.6	78.7
≥ 7000		55.4	62.1	69.3	75.9	76.6	77.7	78.9	78.9	79.3	79.4	79.4	79.6	79.6	80.1	80.2
≥ 6000		56.8	63.4	70.8	77.3	78.0	79.1	80.3	80.3	80.8	80.9	80.9	81.0	81.0	81.6	81.7
≥ 5000		58.0	64.8	72.2	79.0	79.7	80.8	82.0	82.0	82.4	82.6	82.6	82.7	82.7	83.2	83.3
≥ 4500		58.3	65.1	72.7	79.6	80.2	81.3	82.6	82.6	83.0	83.1	83.1	83.2	83.2	83.8	83.9
≥ 4000		60.0	66.2	74.8	81.9	82.6	83.7	84.9	84.9	85.3	85.4	85.4	85.6	85.6	86.1	86.2
≥ 3500		61.0	68.1	76.0	83.8	84.4	85.6	86.8	86.8	87.2	87.3	87.3	87.4	87.4	88.0	88.1
≥ 3000		61.7	68.9	76.9	84.9	85.6	86.7	87.9	87.9	88.3	88.4	88.4	88.5	88.5	89.1	89.2
≥ 2500		61.7	69.1	77.0	85.0	85.7	86.9	88.1	88.1	88.6	88.7	88.7	88.8	88.8	89.3	89.4
≥ 2000		62.1	69.4	77.4	85.4	86.1	87.3	88.6	88.6	89.1	89.1	89.1	89.2	89.2	89.8	89.9
≥ 1800		62.3	69.7	77.7	85.7	86.3	87.6	88.8	88.8	89.2	89.3	89.3	89.4	89.4	90.0	90.1
≥ 1500		63.9	71.2	79.2	87.7	88.6	89.8	91.0	91.0	91.4	91.4	91.6	91.7	91.7	92.2	92.3
≥ 1200		64.4	71.8	79.8	88.2	89.1	90.4	91.7	91.7	92.1	92.2	92.2	92.3	92.3	92.9	93.0
≥ 1000		65.1	72.6	80.7	89.1	90.1	91.4	92.7	92.7	93.1	93.2	93.2	93.3	93.3	93.9	94.0
≥ 900		65.1	72.6	80.8	89.3	90.4	91.6	93.0	93.0	93.4	93.6	93.6	93.7	93.7	94.2	94.3
≥ 800		65.4	73.1	81.3	90.1	91.4	92.9	94.2	94.2	94.7	94.8	94.8	94.9	94.9	95.4	95.6
≥ 700		65.7	73.4	81.8	91.7	92.0	93.4	94.8	94.8	95.2	95.3	95.3	95.4	95.4	96.0	96.1
≥ 600		66.3	73.9	82.2	91.1	92.6	94.0	95.4	95.4	95.9	96.1	96.1	96.1	96.1	96.7	96.8
≥ 500		66.4	74.0	82.3	91.8	93.3	95.1	96.6	96.6	97.0	97.1	97.1	97.2	97.2	97.8	97.9
≥ 400		66.0	74.1	82.6	92.5	93.6	95.7	97.1	97.1	97.6	97.7	97.7	97.8	97.8	98.3	98.4
≥ 300		66.6	74.1	82.6	92.6	93.6	95.7	97.2	97.4	97.9	98.1	98.1	98.2	98.2	98.8	98.9
≥ 200		66.0	74.1	82.6	92.0	93.7	95.8	97.7	98.1	98.6	98.8	98.8	99.1	99.1	99.7	99.8
≥ 100		66.6	74.1	82.2	92.0	93.7	95.9	97.8	98.2	98.7	98.9	98.9	99.1	99.1	99.8	99.9
≥ 0		66.6	74.1	82.6	92.0	93.7	95.9	97.8	98.2	98.7	98.9	98.9	99.1	99.1	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 960

JL PAL CLIMATOLOGY BRANCH  
JSAFETAC  
AID WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

778  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-73,73-77  
YEARS

SEP  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING		39.7	44.1	51.9	54.4	56.7	58.2	59.1	59.2	59.4	60.0	60.0	60.1	60.3	60.7	61.0
≥20000		41.1	45.0	53.9	58.6	58.8	60.4	61.4	61.6	61.8	62.3	62.3	62.6	62.8	63.1	63.4
IV 18000		41.1	45.0	53.9	58.6	58.8	60.4	61.4	61.6	61.8	62.3	62.3	62.6	62.8	63.1	63.4
IV 16000		41.1	45.0	53.9	58.6	58.8	60.4	61.4	61.6	61.8	62.3	62.3	62.6	62.8	63.1	63.4
IV 14000		42.0	46.0	54.8	59.4	57.7	61.3	62.3	62.4	62.7	63.2	63.2	63.4	63.7	64.0	64.3
IV 12000		44.1	48.0	57.0	61.8	52.0	63.7	64.7	64.8	65.0	65.6	65.6	65.9	66.1	66.3	66.7
IV 10000		47.1	52.0	60.0	65.0	65.9	67.7	69.0	69.1	69.3	69.9	69.9	70.1	70.3	70.7	71.0
IV 9000		47.1	52.0	61.0	65.0	66.0	67.8	69.1	69.2	69.4	70.0	70.0	70.3	70.6	70.9	71.2
IV 8000		48.0	54.4	64.1	69.7	69.9	71.7	73.0	73.1	73.3	73.9	73.9	74.2	74.4	74.9	75.2
IV 7000		50.1	55.0	65.6	71.1	71.4	73.4	74.8	74.9	75.1	75.7	75.7	76.0	76.2	76.7	77.0
IV 6000		50.9	56.0	66.3	71.9	72.2	74.2	75.6	75.7	75.9	76.4	76.4	76.8	77.0	77.4	77.8
IV 5000		52.6	58.4	68.6	74.6	74.9	77.0	78.3	78.4	78.7	79.0	79.2	79.6	79.8	80.2	80.6
IV 4500		53.1	59.0	67.1	75.4	75.8	77.9	79.2	79.3	79.6	80.1	80.1	80.4	80.7	81.1	81.4
IV 4000		54.7	60.6	70.6	77.1	77.4	79.5	80.9	81.0	81.2	81.9	81.8	82.1	82.3	82.8	83.1
IV 3500		54.8	60.8	71.0	77.6	77.9	80.0	81.3	81.4	81.7	82.2	82.2	82.6	82.8	83.2	83.6
IV 3000		55.7	62.0	72.6	79.3	79.7	81.9	83.3	83.4	83.7	84.2	84.2	84.6	84.8	85.2	85.6
IV 2500		56.2	62.0	73.4	80.2	80.6	82.8	84.3	84.4	84.7	85.2	85.2	85.6	85.8	86.2	86.6
IV 2000		57.2	63.0	74.4	81.3	81.7	83.9	85.7	85.8	86.0	86.6	86.6	86.9	87.1	87.6	87.9
IV 1800		57.6	64.0	74.9	81.8	82.1	84.3	86.1	86.2	86.4	87.0	87.0	87.3	87.6	88.0	88.3
IV 1500		58.0	65.0	75.9	82.8	83.2	85.8	87.8	87.9	88.1	88.7	88.7	89.0	89.2	89.7	90.0
IV 1200		59.0	66.0	77.0	83.9	84.3	87.1	89.1	89.2	89.4	90.0	90.0	90.3	90.6	91.0	91.3
IV 1000		59.3	67.7	78.4	85.6	86.0	88.8	90.8	90.9	91.1	91.7	91.7	92.0	92.2	92.7	93.0
IV 900		60.8	68.0	79.2	86.3	86.9	89.7	91.7	91.8	92.0	92.6	92.6	92.9	93.1	93.6	93.9
IV 800		60.8	68.0	79.3	86.4	87.2	90.0	92.0	92.1	92.3	92.9	92.9	93.2	93.4	93.9	94.2
IV 700		61.1	68.6	79.7	87.0	87.8	90.6	92.6	92.7	93.0	93.6	93.6	93.9	94.1	94.6	94.9
IV 600		61.2	68.7	79.8	87.2	88.1	90.9	92.9	93.0	93.3	93.9	93.9	94.2	94.4	94.9	95.2
IV 500		61.3	69.0	80.2	88.0	89.0	92.2	94.4	94.6	95.0	95.6	95.6	95.9	96.1	96.6	96.9
IV 400		61.3	69.1	80.4	88.2	89.2	92.6	94.8	95.0	95.6	96.1	96.1	96.4	96.7	97.1	97.4
IV 300		61.3	69.1	80.4	88.4	89.4	92.9	95.2	95.6	96.3	97.0	97.0	97.3	97.6	98.0	98.3
IV 200		61.3	69.1	80.4	88.4	89.8	93.4	95.8	96.1	96.9	97.6	97.6	97.9	98.2	98.7	99.0
IV 100		61.3	69.1	80.4	88.4	89.8	93.6	96.2	96.6	97.3	98.1	98.1	98.4	98.8	99.3	99.6
IV 0		61.3	69.1	80.4	88.4	89.8	93.6	96.2	96.6	97.3	98.1	98.1	98.4	98.8	99.3	99.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION DAVIDSON AAF/FT BELVOIR VA

68-70, 73-79

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1639-0801  
HOURS 1151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		31.3	37.5	43.8	49.0	50.1	50.7	51.3	52.1	52.6	53.3	53.3	53.9	53.9	54.7	54.2
≥ 20000		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 18000		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 16000		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 14000		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 12000		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 10000		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 9000		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 8000		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 7000		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 6000		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 5000		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 4500		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 4000		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 3500		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 3000		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 2500		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 2000		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 1800		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 1500		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 1200		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 1000		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 900		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 800		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 700		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 600		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 500		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 400		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 300		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 200		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 100		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8
≥ 0		33.1	39.7	45.9	51.3	52.6	53.1	54.2	55.1	55.8	56.6	56.6	57.2	57.2	57.3	57.8

TOTAL NUMBER OF OBSERVATIONS 938

CLIMATOLGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

778  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

56-73,73-79  
YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0913-1-76  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1	≥0
NO CEILING		45.7	54.3	55.3	57.2	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 20000		3.2	58.8	61.2	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 18000		53.2	59.8	61.2	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 16000		53.2	58.8	61.2	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 14000		53.2	58.8	61.2	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 12000		53.2	61.2	62.4	63.3	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 10000		59.2	64.3	65.3	68.2	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 9000		59.2	64.3	67.3	68.7	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 8000		63.1	68.9	71.9	73.4	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 7000		64.3	70.1	73.1	74.7	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 6000		64.3	70.1	73.7	75.4	75.8	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 5000		66.4	72.6	76.2	78.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500		61.1	73.2	76.9	78.8	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4000		68.7	74.9	79.6	81.8	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500		69.8	76.1	80.2	82.4	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3000		70.7	77.2	81.1	83.6	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2500		72.1	78.9	83.5	87.3	87.6	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2000		72.2	81.4	84.7	87.2	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1800		73.7	81.9	85.2	87.8	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500		74.9	82.5	87.4	90.0	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1200		76.1	84.3	89.1	91.9	92.4	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1000		76.9	85.2	89.9	91.7	93.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900		77.1	85.8	90.4	93.2	94.6	95.8	96.1	96.2	96.3	96.6	96.6	96.6	96.6	96.6	96.6
≥ 800		77.2	86.7	91.0	94.3	95.2	96.4	96.8	97.0	97.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700		77.3	86.8	91.1	94.8	95.8	97.0	97.3	97.6	97.7	98.1	98.3	98.3	98.3	98.3	98.3
≥ 600		77.3	86.8	91.3	95.1	96.2	97.8	98.2	98.4	98.5	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500		77.3	86.8	91.3	95.2	96.4	98.3	98.4	98.7	98.8	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400		77.3	86.8	91.6	95.4	96.7	98.2	98.8	99.0	99.1	99.5	99.7	99.7	99.7	99.7	99.7
≥ 300		77.3	86.8	91.6	95.4	96.7	98.3	98.9	99.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9
≥ 200		77.3	86.8	91.6	95.4	96.7	98.3	98.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100		77.3	86.8	91.6	95.4	96.7	98.3	98.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0		77.3	86.8	91.6	95.4	96.7	98.3	98.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 947

NATIONAL CLIMATOLOGY BRANCH  
UNITED STATES AIR FORCE  
AIR FORCE SERVICE/AMC

## CEILING VERSUS VISIBILITY

STATION

DAVISON AAF/FT BELVOIR VA

STATION NAME

65-77.73-79

YEARS

SEP

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12-140  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	54.1	55.4	56.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	56.7	6.4	51.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 18000	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 16000	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 14000	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 12000	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 10000	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 9000	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 7000	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 6000	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 5000	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 4500	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 4000	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 3500	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 3000	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 2500	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 2000	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 1800	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 1500	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 1200	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 1000	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 900	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 800	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 700	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 600	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 500	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 400	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 300	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 200	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 100	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 0	55.8	6.4	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1

TOTAL NUMBER OF OBSERVATIONS

CLIMATE CLIMATOLOGY BRANCH  
USAF ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

DAVIDSON AAF/FT BELVOIR VA

66-70,73-79

YEARS

SEP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15 - 1770  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	5.6	57.4	58.3	4.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 20000	5.6	62.1	63.2	63.3	13.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000	5.6	62.2	63.2	63.4	50.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 16000	5.6	62.2	63.2	63.4	53.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 14000	5.6	63.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000	5.6	65.4	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	67.4	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 9000	68.2	71.2	72.2	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 8000	71.2	74.7	75.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 7000	73.1	77.1	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 6000	73.5	77.5	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	75.2	80.3	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 4500	76.7	82.4	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 4000	78.2	85.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500	80.3	86.4	89.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3000	81.4	87.5	90.2	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2500	82.5	88.4	91.7	93.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	83.6	89.2	92.8	94.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1800	83.6	89.2	92.8	94.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1500	83.9	90.2	93.4	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1200	84.7	91.4	93.7	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	84.8	91.9	94.2	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	84.7	91.2	94.6	96.2	96.8	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800	84.7	91.2	94.6	96.2	97.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	84.7	91.2	94.7	96.6	97.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	84.7	91.2	94.8	96.7	97.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	84.7	91.2	94.8	96.7	97.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	84.7	91.2	94.8	96.7	97.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	84.7	91.2	94.9	96.8	98.1	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	84.7	91.2	94.9	96.8	98.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	84.7	91.2	94.9	96.8	98.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	84.7	91.2	94.9	96.8	98.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 22



U.S. AIR FORCE  
CLIMATE BRANCH  
METEOROLOGICAL SERVICE

# CEILING VERSUS VISIBILITY

STATION 6 DAVISON AAF/FT BELVOIR VA

60-71, 73-79

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1810-2100  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		72.0	57.2	54.8	61.9	61.4	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2
≥20000		76.7	62.7	65.3	66.3	66.4	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7
≥18000		75.5	62.2	65.2	66.3	66.4	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7
≥16000		76.4	62.4	65.4	66.6	66.7	66.7	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9
≥14000		76.4	62.4	65.4	67.1	67.1	67.1	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3
≥12000		79.3	65.4	68.4	69.6	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥10000		67.9	69.4	73.1	74.4	74.6	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8
≥9000		43.6	71.2	73.9	75.3	75.4	75.4	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7
≥8000		67.2	73.9	77.7	79.1	79.3	79.4	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7
≥7000		68.7	75.7	79.7	81.1	81.3	81.4	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
≥6000		59.4	76.4	80.6	82.0	82.2	82.3	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6
≥5000		71.0	78.4	82.6	84.3	84.7	84.8	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1
≥4500		71.4	79.2	83.4	85.2	85.6	85.7	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9
≥4000		73.6	81.9	85.3	87.7	88.6	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9
≥3500		73.9	82.2	86.9	89.2	89.6	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
≥3000		74.4	83.1	87.9	91.3	91.9	91.3	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6
≥2500		75.3	83.4	88.9	91.3	91.7	92.4	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7
≥2000		75.7	84.2	89.2	91.8	92.6	93.3	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7
≥1800		75.9	84.4	89.7	93.2	93.7	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥1500		76.2	84.9	91.2	93.3	93.7	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥1200		76.3	85.1	93.6	95.4	95.4	95.1	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5
≥1000		76.8	85.4	91.1	94.7	94.9	95.9	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥900		76.8	85.7	91.2	94.2	95.1	95.4	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥800		76.2	85.8	91.3	94.3	95.3	96.8	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥700		76.2	85.8	91.3	94.6	95.6	97.1	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8
≥600		76.8	85.3	91.6	94.9	96.2	97.8	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6
≥500		76.8	86.1	91.8	95.1	96.7	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥400		76.8	86.1	91.9	95.3	96.9	98.7	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥300		76.8	86.1	91.9	95.3	96.9	98.7	99.3	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9
≥200		76.8	86.1	91.9	95.3	96.9	98.7	99.3	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9
≥100		76.8	86.1	91.9	95.3	96.9	98.7	99.3	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9
≥0		76.8	86.1	91.9	95.3	96.9	98.7	99.3	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 991

WORLD-AL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

778  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

60-75, 73-79  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2170-2350  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING		47.1	52.2	58.3	61.7	61.8	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.5	62.6	62.7
≥ 20000		49.1	54.4	60.2	64.8	64.9	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.7	65.7	65.8
≥ 18000		49.2	54.4	60.3	64.9	65.0	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.8	65.8	65.9
≥ 16000		49.3	54.4	60.3	64.9	65.0	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.8	65.8	65.9
≥ 14000		49.3	54.4	60.3	64.9	65.0	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.8	65.8	65.9
≥ 12000		51.4	57.1	63.1	67.7	67.8	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.6	68.6	68.7
≥ 10000		57.1	62.9	69.1	73.8	73.9	74.6	74.8	74.8	74.9	74.9	74.9	74.9	75.3	75.3	75.3
≥ 9000		57.2	62.9	69.1	73.8	73.9	74.6	74.8	74.8	74.9	74.9	74.9	74.9	75.3	75.3	75.3
≥ 8000		60.1	67.1	73.4	78.4	78.6	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.7	79.7	79.8
≥ 7000		62.4	68.9	75.7	81.0	81.1	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2
≥ 6000		63.1	69.9	76.8	82.1	82.2	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.3	83.3	83.4
≥ 5000		64.4	71.6	78.6	83.9	84.0	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.1	85.1	85.2
≥ 4500		64.7	71.9	78.8	84.1	84.2	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.3	85.3	85.4
≥ 4000		66.8	74.4	81.6	87.0	87.1	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.2	88.2	88.3
≥ 3500		67.1	74.4	82.0	87.9	88.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.2	89.2	89.3
≥ 3000		67.6	75.6	83.0	89.1	89.2	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.8	90.8	90.9
≥ 2500		68.1	76.1	83.6	89.7	90.1	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.7	91.7	91.8
≥ 2000		68.8	77.3	84.4	90.6	91.0	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.6	92.6	92.7
≥ 1800		68.8	77.1	84.6	90.7	91.1	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.7	92.7	92.8
≥ 1500		69.6	78.0	85.7	91.9	92.3	93.7	93.8	93.8	93.9	93.9	93.9	93.9	94.0	94.0	94.1
≥ 1200		69.9	78.3	86.1	92.2	92.8	94.3	94.4	94.4	94.6	94.6	94.6	94.6	94.7	94.7	94.8
≥ 1000		70.2	78.8	86.4	92.7	93.2	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.2	95.2	95.3
≥ 900		70.2	78.8	86.4	92.7	93.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7	95.8
≥ 800		70.2	78.8	86.6	92.9	93.7	95.7	95.8	95.8	95.9	95.9	95.9	95.9	96.0	96.0	96.1
≥ 700		70.2	78.8	86.7	93.2	94.1	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.3	96.3	96.4
≥ 600		70.6	79.3	87.2	93.8	94.7	96.7	96.7	96.7	97.1	97.1	97.1	97.1	97.2	97.2	97.3
≥ 500		70.7	79.4	87.3	94.1	95.0	97.2	97.7	97.7	97.8	97.8	97.8	97.8	97.9	97.9	98.0
≥ 400		70.8	79.6	87.4	94.3	95.3	97.8	98.6	98.7	98.8	98.8	98.8	98.8	98.9	98.9	99.0
≥ 300		70.8	79.6	87.4	94.4	95.4	97.9	98.7	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥ 200		70.8	79.6	87.4	94.4	95.4	98.0	98.8	99.3	99.4	99.4	99.4	99.4	99.6	99.7	99.9
≥ 100		70.8	79.6	87.4	94.4	95.4	98.0	98.8	99.3	99.4	99.4	99.4	99.4	99.6	99.7	99.9
≥ 0		70.8	79.6	87.4	94.4	95.4	98.0	98.8	99.3	99.4	99.4	99.4	99.4	99.6	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
JAFETAC  
A. F. FATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NAME  
DAVISON AAF/FT BELVOIR VA

63-77, 73-79

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (EST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000		46.6	53.4	54.6	57.5	57.8	58.2	58.5	58.7	58.8	58.9	58.9	59.0	59.1	59.2	59.3
≥ 18000		49.5	54.1	58.2	61.1	61.4	61.8	62.3	62.4	62.6	62.8	62.8	62.9	62.9	63.0	63.2
≥ 16000		49.6	54.1	58.3	61.2	61.5	61.9	62.4	62.5	62.7	62.8	62.9	63.0	63.1	63.2	63.3
≥ 14000		50.1	54.7	58.7	61.6	61.7	62.4	62.8	63.0	63.2	63.3	63.3	63.5	63.5	63.6	63.7
≥ 12000		52.0	56.8	61.0	64.7	64.3	64.3	65.2	65.3	65.5	65.7	65.7	65.9	65.9	66.0	66.1
≥ 10000		55.5	61.1	65.7	68.8	69.1	69.7	70.2	70.3	70.5	70.7	70.7	70.8	70.9	71.0	71.1
≥ 9000		55.3	61.3	66.1	69.2	69.6	70.2	70.7	70.8	71.0	71.2	71.2	71.3	71.3	71.5	71.6
≥ 8000		59.4	65.0	70.1	73.6	74.0	74.6	75.1	75.3	75.5	75.7	75.7	75.8	75.8	76.0	76.1
≥ 7000		62.8	66.5	71.7	75.3	75.7	76.4	76.9	77.0	77.2	77.4	77.4	77.6	77.6	77.8	77.9
≥ 6000		61.4	67.3	72.7	76.3	76.7	77.4	77.9	78.1	78.3	78.5	78.5	78.6	78.7	78.8	78.9
≥ 5000		62.7	69.1	74.0	78.4	78.8	79.5	80.0	80.2	80.4	80.6	80.6	80.7	80.8	80.9	81.0
≥ 4500		63.5	69.7	75.4	79.3	79.8	80.5	81.0	81.1	81.3	81.5	81.5	81.7	81.7	81.9	82.0
≥ 4000		65.7	72.7	78.0	82.1	82.6	83.3	83.8	83.9	84.2	84.4	84.4	84.5	84.6	84.7	84.8
≥ 3500		66.5	73.3	79.2	83.6	84.1	84.9	85.4	85.5	85.7	85.9	85.9	86.1	86.1	86.3	86.4
≥ 3000		67.6	74.5	80.5	85.1	85.6	86.5	87.1	87.2	87.4	87.6	87.6	87.8	87.8	87.9	88.0
≥ 2500		68.4	75.5	81.6	86.3	86.8	87.8	88.4	88.5	88.7	88.9	88.9	89.1	89.1	89.3	89.4
≥ 2000		69.1	76.7	82.8	87.2	87.8	88.8	89.4	89.6	89.8	90.0	90.0	90.2	90.2	90.4	90.5
≥ 1800		67.4	76.8	82.8	87.5	88.2	89.2	89.8	89.9	90.2	90.4	90.4	90.6	90.6	90.7	90.8
≥ 1500		70.3	77.7	84.1	88.9	89.7	90.8	91.5	91.6	91.9	92.1	92.1	92.3	92.3	92.4	92.6
≥ 1200		71.9	78.7	84.9	89.9	90.7	91.9	92.7	92.8	93.1	93.3	93.3	93.5	93.5	93.7	93.8
≥ 1000		71.5	79.2	85.7	90.8	91.7	93.1	93.9	94.0	94.3	94.6	94.6	94.7	94.8	94.9	95.0
≥ 900		71.8	79.4	86.0	91.3	92.2	93.8	94.5	94.7	95.0	95.3	95.3	95.4	95.4	95.6	95.7
≥ 800		71.7	79.5	86.3	91.5	92.7	94.3	95.2	95.4	95.7	95.9	95.9	96.1	96.1	96.3	96.4
≥ 700		71.8	79.7	86.5	92.0	93.1	94.8	95.7	95.9	96.2	96.5	96.5	96.7	96.7	96.8	97.0
≥ 600		72.0	79.9	86.8	92.3	93.6	95.4	96.4	96.6	96.9	97.2	97.3	97.4	97.5	97.6	97.7
≥ 500		72.0	80.0	86.9	92.7	94.0	96.0	97.0	97.3	97.6	97.9	98.1	98.1	98.2	98.3	98.4
≥ 400		72.0	80.0	87.0	92.8	94.2	96.3	97.4	97.7	98.1	98.4	98.4	98.6	98.6	98.8	98.9
≥ 300		72.0	80.0	87.0	92.9	94.3	96.4	97.6	98.0	98.4	98.8	98.8	99.0	99.0	99.2	99.4
≥ 200		72.0	80.0	87.0	92.9	94.3	96.5	97.8	98.2	98.7	99.0	99.0	99.3	99.4	99.6	99.8
≥ 100		72.0	80.0	87.0	92.9	94.3	96.5	97.8	98.3	98.7	99.1	99.2	99.4	99.5	99.7	100.0
≥ 0		72.0	80.0	87.0	92.9	94.3	96.5	97.8	98.3	98.7	99.1	99.2	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7235

7  
3

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION AVISON AAF/FT BELVOIR VA

08-73, 73-79

OCT

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

700-3200  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING		47.1	51.1	57.2	56.3	56.7	58.2	58.6	58.6	58.7	58.8	58.8	58.9	59.1	59.2	57.4
≥ 20000		49.9	54.2	56.5	59.6	59.9	61.5	61.9	61.9	62.3	62.7	62.7	62.2	62.3	62.4	62.7
IV 18000		47.9	54.2	56.5	59.6	59.9	61.5	61.9	61.9	62.3	62.2	62.2	62.3	62.4	62.6	62.7
IV 16000		47.9	54.2	56.5	59.6	59.9	61.5	61.9	61.9	62.3	62.2	62.2	62.3	62.4	62.6	62.7
IV 14000		51.1	54.3	56.6	59.7	61.1	61.6	62.1	62.3	62.2	62.3	62.3	62.4	62.5	62.7	62.8
IV 12000		52.7	57.1	59.5	62.6	62.9	64.5	64.9	64.9	65.1	65.2	65.2	65.3	65.4	65.6	65.7
IV 10000		55.8	60.2	62.8	66.5	66.8	68.4	68.8	68.8	68.9	69.1	69.1	69.1	69.2	69.5	69.6
IV 9000		56.1	60.6	63.3	67.0	67.3	68.9	69.4	69.4	69.5	69.6	69.6	69.7	69.8	70.1	70.1
IV 8000		58.5	62.9	65.7	69.6	69.9	71.5	71.9	71.9	72.1	72.2	72.2	72.3	72.4	72.6	72.7
IV 7000		59.8	64.7	67.5	71.4	71.7	73.3	73.8	73.8	73.9	74.1	74.1	74.1	74.2	74.4	74.5
IV 6000		61.4	66.3	69.2	73.3	73.7	75.3	75.7	75.7	75.8	75.9	75.9	76.1	76.1	76.3	76.5
IV 5000		63.2	68.6	71.7	75.9	76.2	77.8	78.3	78.3	78.4	78.5	78.5	78.6	78.7	78.9	79.1
IV 4500		64.3	69.5	72.4	76.6	76.9	78.5	78.9	78.9	79.0	79.1	79.1	79.2	79.4	79.6	79.7
IV 4000		67.5	72.9	75.9	80.4	80.9	82.5	82.9	82.9	83.1	83.3	83.3	83.4	83.5	83.8	83.9
IV 3500		68.9	74.3	77.3	81.8	82.3	83.9	84.3	84.3	84.5	84.8	84.8	84.9	85.1	85.3	85.4
IV 3000		71.1	75.6	78.7	83.2	83.7	85.3	86.0	86.0	86.2	86.6	86.6	86.7	86.8	87.1	87.1
IV 2500		71.5	76.5	79.6	84.1	84.5	86.1	86.9	86.9	87.1	87.4	87.4	87.5	87.6	87.8	88.1
IV 2000		71.6	77.2	80.5	85.5	85.9	87.5	88.3	88.3	88.5	88.8	88.8	88.9	89.1	89.2	89.4
IV 1800		71.7	77.3	80.6	85.6	86.0	87.6	88.4	88.4	88.6	88.9	88.9	89.0	89.1	89.4	89.5
IV 1500		72.2	77.8	81.2	86.3	86.8	88.5	89.2	89.2	89.5	89.8	89.8	89.9	90.3	90.2	90.3
IV 1200		72.4	78.1	81.7	87.1	87.6	89.5	90.2	90.2	90.4	90.8	90.8	90.9	91.3	91.2	91.3
IV 1000		73.5	78.7	82.6	88.1	88.6	90.8	91.5	91.5	91.7	92.1	92.1	92.2	92.3	92.5	92.6
IV 900		73.3	77.5	82.9	88.6	89.1	91.3	92.3	92.3	92.3	92.6	92.6	92.7	92.8	93.0	93.1
IV 800		73.4	79.2	83.4	89.2	89.8	92.2	92.9	92.9	93.1	93.4	93.4	93.5	93.7	93.9	94.1
IV 700		73.7	79.5	83.8	89.7	90.2	92.7	93.5	93.5	93.8	94.1	94.1	94.2	94.3	94.5	94.6
IV 600		73.7	79.9	84.5	90.5	91.1	93.5	94.4	94.4	94.7	95.1	95.1	95.2	95.3	95.5	95.6
IV 500		73.7	80.1	84.9	91.4	91.9	94.7	95.7	95.7	96.1	96.5	96.5	96.6	96.7	96.9	97.1
IV 400		73.9	80.4	85.3	92.2	92.9	96.0	97.2	97.2	97.6	98.1	98.1	98.2	98.3	98.5	98.6
IV 300		73.9	80.4	85.3	92.3	93.0	96.1	97.4	97.5	98.1	98.4	98.5	98.7	98.8	99.0	99.1
IV 200		73.9	80.4	85.3	92.5	93.2	96.3	97.6	97.8	98.4	98.8	98.9	99.1	99.2	99.5	99.6
IV 100		73.9	80.4	85.3	92.5	93.2	96.3	97.6	97.8	98.4	98.8	98.9	99.1	99.2	99.5	99.7
IV 0		73.9	80.4	85.3	92.5	93.2	96.3	97.6	97.8	98.4	98.8	98.9	99.1	99.2	99.5	99.7

TOTAL NUMBER OF OBSERVATIONS 931

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAJ

# CEILING VERSUS VISIBILITY

7 8  
STATION

CAVISON AAF/FT BELVOIR VA  
STATION NAME

60-71,73-79  
YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

300-0500  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		45.9	51.1	53.5	55.7	56.6	58.1	59.4	59.4	58.5	59.7	58.7	58.7	58.7	59.2	59.7
≥20000		47.3	52.7	55.3	57.5	58.4	60.1	60.4	60.4	60.5	60.8	60.8	60.8	60.8	61.3	61.9
≥18000		47.3	52.7	55.3	57.5	58.4	60.1	60.4	60.4	60.5	60.8	60.8	60.8	60.8	61.3	61.9
≥16000		47.3	52.7	55.3	57.5	58.4	60.1	60.4	60.4	60.5	60.8	60.8	60.8	60.8	61.3	61.9
≥14000		47.3	52.7	55.3	57.5	58.4	60.1	60.4	60.4	60.5	60.8	60.8	60.8	60.8	61.3	61.9
≥12000		49.1	54.5	57.2	59.5	60.3	62.7	62.4	62.4	62.5	62.7	62.7	62.7	62.7	63.2	63.9
≥10000		51.1	58.3	61.2	63.4	64.3	66.7	66.3	66.3	66.5	66.8	66.8	66.8	66.8	67.3	68.7
≥9000		52.3	58.9	61.3	64.1	64.9	66.7	67.1	67.1	67.1	67.4	67.4	67.4	67.4	68.1	69.6
≥8000		54.6	61.5	64.2	66.6	67.4	69.1	69.5	69.5	69.5	69.9	69.9	69.9	69.9	70.4	71.1
≥7000		55.4	62.5	65.1	67.4	68.3	70.0	70.3	70.3	70.3	70.4	70.8	70.8	70.8	71.3	71.9
≥6000		56.5	63.3	66.3	69.0	69.9	71.6	71.9	71.9	72.1	72.4	72.4	72.4	72.4	72.9	73.5
≥5000		56.7	65.9	68.9	71.6	72.5	74.2	74.5	74.5	74.6	74.9	74.9	74.9	74.9	75.5	76.1
≥4500		62.3	67.3	70.3	73.0	73.9	75.6	75.9	75.9	76.0	76.3	76.3	76.3	76.3	76.9	77.5
≥4000		62.9	71.2	71.5	76.3	77.2	78.9	79.2	79.2	79.6	79.9	79.9	79.9	79.9	80.4	81.1
≥3500		63.5	71.9	74.2	77.3	77.8	79.6	79.9	79.9	80.2	80.5	80.5	80.5	80.5	81.1	81.7
≥3000		64.6	72.1	75.3	78.5	79.4	81.1	81.4	81.4	81.7	82.0	82.2	82.2	82.2	82.7	83.3
≥2500		65.6	73.2	76.7	79.7	80.5	82.3	82.6	82.6	82.9	83.2	83.3	83.3	83.3	83.9	84.5
≥2000		66.2	74.1	77.6	80.8	81.6	83.3	83.7	83.7	84.1	84.3	84.4	84.4	84.4	84.9	85.6
≥1800		66.3	74.1	77.6	80.8	81.6	83.3	83.7	83.7	84.1	84.3	84.4	84.4	84.4	84.9	85.6
≥1500		67.2	74.2	78.5	81.7	82.6	84.3	84.6	84.6	84.9	85.3	85.4	85.4	85.4	85.9	86.6
≥1200		67.8	75.9	79.7	82.9	83.8	85.5	85.8	85.8	86.1	86.5	86.6	86.6	86.6	87.1	87.7
≥1000		68.1	76.1	80.1	83.7	84.5	86.3	86.7	86.7	87.1	87.3	87.4	87.4	87.4	88.1	88.6
≥900		68.2	76.6	80.5	84.1	84.9	86.8	87.1	87.1	87.4	87.7	87.8	87.8	87.8	88.4	89.0
≥800		68.5	77.1	81.1	84.7	85.6	87.5	87.8	87.8	88.2	88.5	88.6	88.6	88.6	89.1	89.8
≥700		69.1	77.8	81.9	85.9	86.8	88.7	89.0	89.0	89.4	89.7	89.8	89.8	89.8	90.3	91.0
≥600		69.1	78.2	82.6	87.7	88.0	90.9	90.2	90.2	90.5	90.9	91.1	91.1	91.1	91.5	92.2
≥500		69.1	78.3	83.1	87.7	89.9	91.3	92.0	92.0	92.5	92.8	92.9	92.9	92.9	93.4	94.1
≥400		69.2	78.5	83.3	88.9	90.3	92.8	93.8	93.8	94.2	94.5	94.6	94.6	94.6	95.3	95.9
≥300		69.2	74.5	83.3	88.9	91.4	92.9	94.3	94.3	94.6	94.7	94.8	94.8	94.8	95.5	96.1
≥200		69.2	78.6	83.4	89.0	91.5	93.0	94.4	94.4	94.8	95.2	95.3	95.5	95.6	96.6	97.2
≥100		69.2	78.6	83.4	89.0	91.5	93.0	94.4	94.4	94.8	95.2	95.3	95.5	95.6	96.6	97.2
≥0		69.2	78.6	83.4	89.0	91.5	93.0	94.4	94.4	94.8	95.2	95.3	95.5	95.6	96.6	97.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 8 DAVISON AAF/FT BELVOIR VA

68-73,73-79

OCT

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 3-0606  
HOURS TEST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING ≥ 20000	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 18000	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 16000	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 14000	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 12000	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 10000	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 9000	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 8000	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 7000	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 6000	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 5000	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 4500	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 4000	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 3500	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 3000	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 2500	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 2000	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 1800	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 1500	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 1200	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 1000	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 900	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 800	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 700	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 600	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 500	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 400	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 300	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 200	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 100	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7
≥ 0	41.8	45.2	48.6	51.7	52.9	54.5	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.1	56.1	56.7

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH  
OFFICE  
AF WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

STATION  
5726

STATION NAME  
DAVISON AAF/FT BELVOIR VA

YEARS  
68-70, 73-79

MONTH  
OCT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

900-1100  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	53.5	53.7	53.8	54.5	54.6	54.7	54.7	54.8	54.9	54.9	54.8	54.9	54.8	54.9	54.9	55.2
≥20000	53.5	56.1	56.3	57.5	57.6	57.7	57.7	57.8	57.8	57.8	57.8	58.1	58.1	58.1	58.1	58.3
≥18000	53.7	56.1	57.1	57.7	57.8	58.0	58.1	58.1	58.1	58.1	58.1	58.3	58.3	58.3	58.3	58.5
≥16000	53.7	56.3	57.2	58.1	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.7
≥14000	53.9	56.5	57.4	58.2	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.7	58.7	58.7	58.7	58.9
≥12000	56.7	58.7	59.7	61.4	61.5	61.6	61.6	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9
≥10000	59.6	62.5	63.4	64.3	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.8	64.8	64.8	64.8	65.1
≥9000	60.0	63.7	64.6	64.9	64.9	65.1	65.1	65.2	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.6
≥8000	62.4	65.5	66.5	67.3	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.8	67.8	67.8	67.8	68.1
≥7000	65.2	66.5	67.5	68.4	68.5	68.5	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.9	68.9	69.1
≥6000	64.3	67.5	68.7	69.7	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.2	70.2	70.2	70.2	70.4
≥5000	67.2	70.5	71.9	72.9	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.4	73.4	73.4	73.4	73.7
≥4500	68.5	71.7	73.1	74.1	74.2	74.3	74.3	74.4	74.4	74.4	74.4	74.6	74.6	74.6	74.6	74.8
≥4000	72.2	75.4	76.8	77.8	78.1	78.2	78.2	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.8
≥3500	72.5	75.8	77.3	78.4	78.7	78.9	78.9	79.1	79.1	79.1	79.1	79.4	79.4	79.4	79.4	79.6
≥3000	74.7	77.9	79.0	80.3	80.6	80.9	80.9	81.1	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.5
≥2500	75.2	78.7	80.2	81.7	82.0	82.4	82.4	82.6	82.6	82.6	82.6	82.8	82.8	82.8	82.8	83.1
≥2000	75.2	79.8	81.9	83.5	83.9	84.3	84.3	84.5	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.9
≥1800	75.5	80.1	82.3	83.9	84.2	84.6	84.7	84.9	84.9	84.9	84.9	85.2	85.2	85.2	85.2	85.4
≥1500	76.5	80.5	83.5	84.8	85.5	86.1	86.2	86.5	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.9
≥1200	77.3	81.7	83.7	85.6	86.5	87.1	87.2	87.4	87.4	87.4	87.4	87.6	87.6	87.6	87.6	87.8
≥1000	79.1	82.3	84.8	87.7	88.1	88.8	88.9	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.7
≥900	79.7	83.0	86.0	88.5	89.7	90.4	90.6	91.0	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.4
≥800	79.7	83.7	86.8	89.6	90.9	91.7	91.9	92.3	92.3	92.3	92.3	92.5	92.5	92.5	92.5	92.7
≥700	79.1	84.7	87.2	90.1	91.5	92.5	92.7	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.4
≥600	77.4	84.2	87.8	91.5	93.0	94.1	94.5	94.9	95.1	95.2	95.2	95.4	95.4	95.4	95.4	95.6
≥500	79.4	84.3	89.1	91.8	93.4	94.8	95.5	96.0	96.3	96.5	96.5	96.7	96.7	96.7	96.7	96.9
≥400	79.4	84.3	88.1	92.7	93.7	95.3	96.1	96.8	97.2	97.5	97.5	98.0	98.1	98.1	98.1	98.3
≥300	79.4	84.3	88.3	92.8	93.7	95.3	96.2	96.9	97.4	97.8	97.8	98.4	98.5	98.5	98.5	98.9
≥200	79.4	84.3	88.1	92.7	93.7	95.3	96.2	97.1	97.7	98.2	98.2	98.7	98.7	98.7	98.7	99.1
≥100	79.4	84.3	88.1	92.7	93.7	95.3	96.2	97.1	97.7	98.2	98.2	98.8	98.8	98.8	98.8	99.2
≥0	79.4	84.3	88.1	92.7	93.7	95.3	96.2	97.1	97.7	98.2	98.2	98.8	98.8	98.8	98.8	99.2

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH  
STAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION NAME  
DAVISON AAF/FT BELVOIR VA

YEARS  
68-77, 73-79

MONTH  
OCT

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (EST)  
1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		52.6	52.9	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 20000		56.8	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 18000		57.1	57.5	58.2	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000		57.3	57.8	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 14000		58.2	58.7	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 12000		58.5	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 10000		58.2	58.9	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 9000		58.7	59.2	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 8000		57.1	57.5	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 7000		62.4	62.2	62.9	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 6000		59.7	70.3	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 5000		72.2	72.3	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4500		73.1	73.8	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4000		79.8	81.5	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 3500		83.3	84.1	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 3000		85.6	86.3	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2500		88.8	87.7	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2000		98.1	89.2	90.1	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1800		88.4	89.6	91.4	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1500		88.9	90.3	91.3	91.8	92.0	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200		84.9	91.4	92.4	93.1	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1000		90.2	91.8	92.6	94.3	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 900		91.8	92.7	93.7	94.9	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800		91.5	92.9	94.3	95.9	96.6	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 700		91.5	93.1	94.6	96.5	97.2	97.7	97.8	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600		91.5	93.2	94.7	96.6	97.4	98.1	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500		91.5	93.3	94.8	97.0	97.8	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400		91.5	93.3	94.9	97.3	98.2	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		91.5	93.3	94.9	97.3	98.2	98.9	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200		91.5	93.3	94.9	97.3	98.2	98.9	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		91.5	93.3	94.9	97.3	98.2	98.9	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0		91.5	93.3	94.9	97.3	98.2	98.9	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
177.5

STATION NAME  
DAVISON AAF/FT BELVOIR VA

YEARS  
68-71, 73-79

MONTH  
OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

15.00-17.00  
HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		56.5	57.7	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000		6.8	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 18000		6.7	61.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 16000		6.9	61.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 14000		6.2	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000		54.3	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 10000		63.2	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 9000		53.5	59.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 8000		74.3	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 7000		74.8	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 6000		75.9	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 5000		78.2	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4500		81.8	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000		84.9	85.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500		86.9	88.7	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3000		86.8	93.7	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2500		89.4	91.3	91.9	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000		91.6	92.1	93.7	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800		91.1	93.1	94.1	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1500		91.7	93.8	94.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200		91.8	94.1	95.1	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000		92.1	94.3	95.4	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900		92.3	94.5	95.9	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800		92.4	94.6	96.2	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700		92.4	94.6	96.2	97.8	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600		92.4	94.7	96.5	98.2	98.5	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500		92.4	94.9	96.7	98.4	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400		92.4	94.9	96.7	98.4	98.7	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		92.4	94.9	96.7	98.4	98.7	99.2	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200		92.4	94.9	96.7	98.4	98.7	99.2	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100		92.4	94.9	96.7	98.4	98.7	99.2	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0		92.4	94.9	96.7	98.4	98.7	99.2	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 937

## CEILING VERSUS VISIBILITY

2021  
MONTH

1853-250  
HOURS 1151

TOTAL NUMBER OF OBSERVATIONS 931

REGIONAL CLIMATOLOGY BRANCH  
AFETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
DAVISON AAF/FT BELVOIR VA

68-70, 73-79

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ ¼	≥ 0
NO CEILING	54.2	57.5	59.1	60.5	62.5	64.5	65.7	65.7	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3
≥ 20000	57.2	61.5	62.7	64.4	64.5	65.7	65.7	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 18000	57.2	61.5	62.7	64.4	64.5	65.7	65.7	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 16000	57.2	61.5	62.7	64.4	64.5	65.7	65.7	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 14000	57.4	61.1	63.1	64.6	64.7	65.9	65.9	66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 12000	57.5	63.1	65.2	66.7	66.8	68.2	68.2	69.4	68.5	69.1	68.6	68.6	68.6	68.6	68.6	68.6
IV 10000	63.3	67.6	69.8	71.3	71.4	72.6	72.6	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 9000	63.7	68.7	71.1	71.6	71.7	72.9	72.9	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 8000	66.1	70.5	73.2	75.1	75.2	76.3	76.3	76.8	76.9	77.1	77.1	77.2	77.2	77.2	77.2	77.2
IV 7000	67.1	71.5	74.2	76.5	76.1	77.3	77.3	77.4	77.7	77.8	78.1	78.1	78.1	78.1	78.1	78.1
IV 6000	68.1	72.8	75.3	77.3	77.4	78.6	78.6	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 5000	71.2	76.7	78.7	80.5	81.6	81.8	81.8	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 4500	71.9	76.8	79.3	81.3	81.4	82.6	82.6	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4000	74.8	79.2	82.7	84.6	84.8	86.2	86.3	86.6	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9
IV 3500	76.7	81.5	85.1	87.0	87.2	88.5	88.6	89.1	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5
IV 3000	77.6	82.2	86.1	88.3	88.5	89.8	89.9	90.4	90.5	91.1	91.2	91.3	91.4	91.4	91.4	91.4
IV 2500	78.3	83.4	86.6	88.9	89.1	90.4	90.5	91.1	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4
IV 2000	78.2	84.0	88.6	91.0	91.3	92.6	92.7	93.2	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8
IV 1800	79.2	84.5	89.7	91.2	91.5	92.8	92.9	93.4	93.8	93.9	94.1	94.1	94.1	94.1	94.1	94.1
IV 1500	79.4	85.2	89.1	91.6	91.9	93.3	93.5	94.1	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6
IV 1200	79.7	85.5	89.5	92.0	92.4	93.8	94.0	94.5	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1
IV 1000	79.7	85.8	89.9	92.7	93.1	94.5	94.7	95.3	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8
IV 900	79.8	85.9	90.1	92.8	93.2	94.6	94.8	95.4	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9
IV 800	79.9	86.1	90.3	93.3	93.8	95.2	95.5	96.1	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6
IV 700	80.3	86.2	91.5	93.7	94.3	95.7	96.1	96.6	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 600	80.3	86.7	91.1	94.5	94.9	96.3	96.7	97.2	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	80.4	86.8	91.2	94.6	95.1	96.5	96.9	97.4	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	80.4	87.1	91.5	95.3	95.7	97.1	97.6	98.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	80.4	87.1	91.5	95.3	95.7	97.1	97.6	98.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	80.4	87.1	91.5	95.3	95.7	97.1	97.6	98.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	80.4	87.1	91.5	95.3	95.7	97.1	97.6	98.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	80.4	87.1	91.5	95.3	95.7	97.1	97.6	98.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 000000 LAVISON AAF/FT BELVOIR VI

62-77, 73-79

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ .	≥ 0
NO CEILING		50.7	53.2	54.7	56.1	56.4	57.2	57.3	57.4	57.5	57.5	57.6	57.6	57.6	57.7	57.9
≥ 20000		53.0	56.3	57.9	59.3	59.6	60.4	60.6	60.7	60.8	60.9	61.0	61.0	61.1	61.1	61.3
≥ 18000		53.6	56.4	58.0	59.4	59.7	60.3	60.7	60.8	60.9	61.0	61.0	61.1	61.1	61.2	61.4
≥ 16000		53.7	56.4	58.1	59.5	59.8	60.6	60.8	60.9	61.0	61.1	61.1	61.1	61.2	61.3	61.5
≥ 14000		54.1	56.8	58.5	59.9	60.2	61.0	61.2	61.3	61.4	61.5	61.5	61.5	61.5	61.7	61.9
≥ 12000		55.1	58.8	60.5	61.9	62.2	63.0	63.2	63.3	63.4	63.5	63.5	63.6	63.6	63.7	63.9
≥ 10000		57.4	62.6	64.4	65.9	66.3	67.1	67.2	67.4	67.4	67.6	67.6	67.6	67.6	67.7	67.9
≥ 9000		59.8	63.1	64.8	66.3	66.7	67.5	67.7	67.8	67.9	68.0	68.0	68.1	68.1	68.2	68.4
≥ 8000		62.4	65.5	67.7	69.3	69.7	70.5	70.7	70.8	70.9	71.0	71.0	71.1	71.1	71.2	71.4
≥ 7000		63.8	67.2	69.2	70.9	71.1	72.1	72.3	72.4	72.5	72.5	72.5	72.7	72.7	72.8	73.0
≥ 6000		65.0	68.5	70.5	72.3	72.7	73.5	73.7	73.8	73.9	74.0	74.1	74.1	74.1	74.2	74.5
≥ 5000		67.6	71.2	73.3	75.1	75.5	76.3	76.5	76.6	76.7	76.9	76.8	76.9	76.9	77.0	77.1
≥ 4500		69.1	72.4	74.6	76.5	76.8	77.7	77.9	78.0	78.1	78.2	78.2	78.3	78.3	78.4	78.6
≥ 4000		72.5	76.4	78.6	80.6	81.0	81.9	82.1	82.2	82.3	82.5	82.5	82.6	82.6	82.7	82.9
≥ 3500		74.1	78.1	80.3	82.3	82.7	83.6	83.8	84.0	84.1	84.3	84.3	84.4	84.4	84.5	84.7
≥ 3000		75.6	79.5	81.9	84.0	84.5	85.4	85.6	85.8	85.9	86.1	86.1	86.2	86.2	86.3	86.5
≥ 2500		76.4	81.4	83.8	85.3	85.5	86.4	86.7	86.8	86.9	87.1	87.1	87.2	87.2	87.3	87.5
≥ 2000		77.4	81.5	84.1	86.5	87.0	87.9	88.2	88.4	88.5	88.7	88.7	88.8	88.8	88.9	89.1
≥ 1800		77.5	81.7	84.3	86.8	87.3	88.2	88.5	88.7	88.9	89.1	89.1	89.1	89.2	89.3	89.5
≥ 1500		78.0	82.3	85.1	87.7	88.3	89.3	89.6	89.8	90.0	90.1	90.2	90.2	90.3	90.4	90.6
≥ 1200		78.5	82.8	85.7	89.5	89.1	90.2	90.5	90.7	90.9	91.0	91.1	91.1	91.2	91.3	91.5
≥ 1000		78.8	83.3	86.3	89.3	89.9	91.1	91.4	91.6	91.8	91.9	92.0	92.1	92.1	92.2	92.4
≥ 900		79.1	83.7	86.6	89.9	90.6	91.8	92.1	92.3	92.5	92.5	92.7	92.8	92.8	92.9	93.2
≥ 800		79.3	84.1	87.3	90.6	91.4	92.7	93.1	93.2	93.4	93.6	93.6	93.7	93.8	93.9	94.1
≥ 700		79.4	84.3	87.6	91.2	92.0	93.4	93.8	94.0	94.2	94.4	94.4	94.5	94.5	94.7	94.9
≥ 600		79.6	84.6	88.2	92.0	92.9	94.3	94.8	95.0	95.3	95.5	95.5	95.6	95.6	95.8	96.0
≥ 500		79.6	84.9	88.5	92.5	93.5	95.1	95.8	96.0	96.3	96.5	96.5	96.6	96.7	96.8	97.0
≥ 400		79.7	84.9	89.7	93.0	94.0	95.7	96.6	96.8	97.2	97.4	97.5	97.6	97.7	97.8	98.0
≥ 300		79.7	84.9	89.7	93.0	94.1	95.8	96.7	97.0	97.5	97.8	97.8	98.0	98.1	98.3	98.5
≥ 200		79.7	84.9	89.7	93.1	94.1	95.7	96.9	97.2	97.7	98.1	98.2	98.4	98.6	98.8	99.0
≥ 100		79.7	84.9	89.7	93.1	94.2	96.0	96.9	97.3	97.9	98.3	98.3	98.6	98.9	99.1	99.7
≥ 0		79.7	84.9	89.7	93.1	94.2	96.0	96.9	97.3	97.9	98.3	98.3	98.6	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH  
WAFB/TAC  
AIR WEATHER SERVICE/NAO

# CEILING VERSUS VISIBILITY

STATION

DAVISON AAF/FT BELVOIR VA

63-75,73-79

YEARS

NOV

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY  
HOURS 1157

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	47.1	49.4	51.6	52.3	52.3	52.3	52.3	52.4	52.4	52.5	52.5	52.6	52.6	52.7	52.7	52.7
≥20000	47.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥18000	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥16000	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥14000	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥12000	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥10000	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥9000	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥8000	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥7000	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥6000	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥5000	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥4500	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥4000	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥3500	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥3000	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥2500	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥2000	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥1800	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥1500	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥1200	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥1000	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥900	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥800	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥700	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥600	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥500	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥400	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥300	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥200	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥100	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9
≥0	49.1	51.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9

TOTAL NUMBER OF OBSERVATIONS

400

JOINT CLIMATOLOGY BRANCH  
DAF 140  
AIR WEATHER SERVICE/MAL

## CEILING VERSUS VISIBILITY

STATION

LEWISON AAF/F1 ELLVOIP VA

60-71, 73-79

YEARS

NOV  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

301-350  
HOURS EST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥1	≥0
NO CEILING		40.0	42.9	50.5	52.6	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.3
≥ 20000		47.0	47.0	52.3	54.7	54.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.8
≥ 18000		47.0	47.0	52.3	54.7	54.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.8
≥ 16000		47.0	47.0	52.3	54.7	54.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.8
≥ 14000		47.0	47.0	52.3	54.7	54.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.8
≥ 12000		47.0	47.0	52.3	54.7	54.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.8
≥ 10000		50.7	53.3	56.2	58.2	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	59.1
≥ 9000		50.7	53.3	56.2	58.2	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	59.1
≥ 8000		55.6	59.4	62.7	65.0	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.8
≥ 7000		57.0	61.0	65.1	67.4	67.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 6000		60.1	64.2	67.4	69.8	69.9	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.7
≥ 5000		60.1	64.2	67.4	69.8	69.9	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.7
≥ 4500		64.5	69.1	72.4	74.9	74.9	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.8
≥ 4000		67.4	71.7	75.1	77.4	77.6	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4
≥ 3500		68.6	72.8	76.2	78.6	78.7	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.6
≥ 3000		68.6	72.8	76.2	78.6	78.7	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.6
≥ 2500		67.8	71.7	75.3	77.9	78.0	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.9
≥ 2000		71.4	76.0	79.2	82.9	83.1	83.6	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.1
≥ 1800		71.4	76.0	79.2	82.9	83.1	83.6	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.1
≥ 1500		72.3	77.6	81.6	84.4	84.9	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.1
≥ 1200		72.8	78.4	82.2	85.1	85.6	86.3	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.1
≥ 1000		73.2	77.1	83.1	85.9	86.3	87.1	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.8
≥ 900		73.4	77.3	83.1	86.7	87.1	87.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.6
≥ 800		73.7	77.7	83.1	87.2	87.8	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.4
≥ 700		74.3	77.2	85.0	88.2	88.7	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.6
≥ 600		74.1	77.2	85.0	88.3	88.4	89.4	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.4
≥ 500		74.7	81.0	86.4	90.1	91.2	92.8	93.3	93.6	93.7	93.7	93.7	93.7	93.7	93.8	94.1
≥ 400		74.9	81.4	87.1	90.9	92.1	93.7	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.4	95.7
≥ 300		75.1	81.8	87.4	91.3	92.6	94.2	95.6	95.9	96.4	96.6	96.7	96.8	96.9	96.9	97.1
≥ 200		75.1	81.8	87.4	91.4	92.7	94.6	96.0	96.3	96.9	97.1	97.1	97.1	97.1	97.1	97.4
≥ 100		75.1	81.8	87.4	91.4	92.7	94.6	96.1	96.4	97.0	97.1	97.1	97.1	97.1	97.1	97.4
≥ 0		75.1	81.8	87.4	91.4	92.7	94.6	96.1	96.4	97.0	97.1	97.1	97.1	97.1	97.1	97.4

TOTAL NUMBER OF OBSERVATIONS 926

CLIMATE CLIMATOLOGY BRANCH  
 AIR FORCE WEATHER SERVICE/MAJ

# CEILING VERSUS VISIBILITY

STATION 18 LAVISON AAF/FT BELVOIR VA

YEARS 63-70, 73-79

MONTH NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

16,000-70,000  
 HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		47.5	44.9	47.2	40.6	47.1	53.7	50.7	51.7	51.1	51.1	51.1	51.2	51.2	51.2	51.4
≥ 20000		44.7	43.1	51.1	52.7	53.2	54.2	54.4	55.1	55.4	55.4	55.4	55.6	55.6	55.6	55.5
≥ 18000		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 16000		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 14000		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 12000		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 10000		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 9000		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 8000		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 7000		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 6000		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 5000		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 4500		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 4000		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 3500		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 3000		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 2500		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 2000		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 1800		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 1500		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 1200		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 1000		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 900		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 800		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 700		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 600		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 500		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 400		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 300		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 200		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 100		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1
≥ 0		45.4	48.4	51.3	53.1	53.6	54.6	55.2	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.1

TOTAL NUMBER OF OBSERVATIONS 16,000

3  
GENERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

STATION  
DAVISON AAF/FT BELVOIR VA

65-71,73-74

YEARS

NOV

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

39.30-44.70  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	41.6	47.9	48.3	47.6	41.9	53.2	53.2	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥20000	52.7	52.6	53.9	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 18000	52.7	52.7	54.4	54.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 16000	52.7	52.8	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 14000	53.1	53.7	55.7	55.4	55.8	55.3	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 12000	53.2	55.1	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 10000	57.8	59.3	61.3	61.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 9000	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 8000	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 7000	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 6000	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 5000	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 4500	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 4000	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 3500	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 3000	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 2500	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 2000	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 1800	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 1500	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 1200	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 1000	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 900	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 800	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 700	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 600	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 500	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 400	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 300	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 200	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 100	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 0	57.8	59.3	61.4	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7

TOTAL NUMBER OF OBSERVATIONS 97.2



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE / MAC

# CEILING VERSUS VISIBILITY

STATION

DAVISON AAF/FT BELVOIR VA

50-7 73-79

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
 HOURS UST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1	≥0
NO CEILING	45.4	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	45.4	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 18000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 16000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 14000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 12000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 10000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 9000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 8000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 7000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 6000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 5000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 4500	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 4000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 3500	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 3000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 2500	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 2000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 1800	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 1500	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 1200	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 1000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 900	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 800	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 700	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 600	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 500	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 400	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 300	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 200	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 100	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION DAVISON AAF/FT BELVOIR VA

PERIOD 65-70, 73-79

MONTH NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1503-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING		47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 20000		52.4	52.4	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 18000		52.6	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000		52.7	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000		54.0	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000		56.3	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000		61.2	61.7	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 9000		61.3	62.1	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 8000		66.1	66.3	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 7000		67.3	68.7	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 6000		68.6	69.9	70.3	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 5000		70.8	72.3	72.9	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4500		72.6	74.1	74.8	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4000		75.6	78.0	78.8	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500		77.3	79.4	80.6	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 3000		79.9	83.3	83.8	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2500		81.8	85.7	85.9	86.4	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2000		83.3	86.8	87.9	88.7	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1800		83.6	87.1	88.2	89.1	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500		84.3	88.0	89.2	90.3	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1200		84.7	88.2	89.9	91.2	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1000		84.9	88.7	90.2	92.1	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 900		84.9	88.7	90.2	92.1	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 800		85.2	89.1	90.8	92.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700		85.1	89.3	91.1	93.0	94.4	95.3	95.4	95.7	95.9	95.8	95.8	95.8	95.8	95.8	95.8
≥ 600		85.1	89.4	91.2	93.2	94.7	96.0	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 500		85.1	89.4	91.3	93.6	95.2	96.8	97.3	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400		85.1	89.4	91.3	93.7	95.4	97.2	97.9	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300		85.1	89.4	91.3	93.7	95.4	97.2	97.9	98.2	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200		85.1	89.4	91.3	93.7	95.4	97.2	97.9	98.2	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100		85.1	89.4	91.3	93.7	95.4	97.2	97.9	98.2	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0		85.1	89.4	91.3	93.7	95.4	97.2	97.9	98.2	99.1	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 203

3  
LOCAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION NO. 118 STATION NAME CAVISON AAF/FT BELVOIR VA

YEARS 60-72, 73-79

MONTH NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (EST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ .	≥ 0
NO CEILING ≥ 20000	54.5	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000	54.5	55.0	55.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6
≥ 16000	54.5	55.0	55.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6
≥ 14000	54.5	57.1	57.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8
≥ 12000	57.2	59.1	59.1	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8
≥ 10000	62.1	63.3	63.4	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 9000	62.2	63.4	63.7	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3
≥ 8000	67.8	69.2	69.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4
≥ 7000	69.3	71.3	71.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7
≥ 6000	72.7	74.1	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4
≥ 5000	73.1	76.4	77.1	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2
≥ 4500	76.3	77.8	78.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4000	79.3	81.2	81.8	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500	81.7	82.8	83.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3000	81.4	83.7	84.3	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2
≥ 2500	82.0	84.7	85.9	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2000	83.1	86.1	87.7	89.2	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1800	83.2	86.7	88.1	89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1500	83.7	87.1	88.7	90.7	91.3	91.4	91.4	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	84.1	87.7	89.4	91.8	92.4	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1000	84.6	88.1	90.2	92.6	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 900	84.7	88.3	91.6	93.3	94.2	94.7	94.8	94.8	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	84.8	88.7	91.9	93.4	94.7	95.2	95.4	95.4	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	84.9	89.1	91.1	93.7	94.9	95.4	95.8	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	84.9	89.1	91.4	94.1	95.2	95.8	96.3	96.3	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6
≥ 500	84.7	89.7	91.4	94.1	95.4	96.2	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	85.1	89.1	91.6	94.2	95.6	96.6	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	85.1	89.1	91.6	94.3	95.8	96.9	97.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200	85.7	89.1	91.6	94.3	95.8	96.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 100	85.1	89.1	91.6	94.3	95.8	96.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 0	85.1	89.1	91.6	94.3	95.8	96.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 90

3

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 WAFB  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

STATION NAME  
 LAMAR AFB/FT BELVOIR VA

68-73, 75-79

NOV  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2300  
 HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≤1/8	≤0
NO CEILING	53.3	54.2	55.2	56.1	56.1	55.1	55.1	55.1	55.1	55.2	55.6	55.6	55.6	55.6	55.7	55.8
> 20000	56.2	57.5	58.3	59.4	59.4	58.4	58.4	58.4	58.4	58.7	59.7	59.9	59.9	59.9	59.9	59.9
IV 18000	56.2	57.6	58.3	59.4	59.4	58.4	58.4	58.4	58.4	58.7	59.7	59.9	59.9	59.9	59.9	59.9
IV 16000	56.2	57.6	58.3	59.4	59.4	58.4	58.4	58.4	58.4	58.7	59.7	59.9	59.9	59.9	59.9	59.9
IV 14000	56.7	58.1	58.9	59.7	59.7	58.7	58.7	58.7	58.7	59.2	59.6	59.6	59.6	59.6	59.6	59.6
IV 12000	57.6	59.0	59.8	60.9	60.9	59.9	59.9	59.9	59.9	60.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 10000	61.0	62.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	64.0	64.3	64.3	64.3	64.3	64.3	64.3
IV 9000	61.1	62.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.4	64.4	64.4	64.4	64.4	64.4
IV 8000	65.5	67.7	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.3	69.7	69.7	69.7	69.7	69.7	69.7
IV 7000	66.7	69.9	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.6	71.9	71.9	71.9	71.9	71.9	71.9
IV 6000	72.4	72.3	73.6	73.9	73.9	73.9	73.9	73.9	73.9	74.1	74.4	74.4	74.4	74.4	74.4	74.4
IV 5000	74.8	75.9	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.8	78.1	78.1	78.1	78.1	78.1	78.1
IV 4500	76.1	77.7	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.9	79.2	79.2	79.2	79.2	79.2	79.2
IV 4000	76.4	78.3	81.0	82.3	82.3	82.3	82.3	82.3	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9
IV 3500	78.4	80.3	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9
IV 3000	77.2	81.5	83.4	84.1	84.3	84.4	84.4	84.4	84.4	84.7	85.1	85.1	85.1	85.1	85.1	85.1
IV 2500	77.7	82.7	83.9	84.6	84.6	84.6	84.6	84.6	84.6	85.1	85.4	85.4	85.4	85.4	85.4	85.4
IV 2000	85.0	83.3	85.2	85.9	86.1	86.2	86.2	86.2	86.2	86.4	86.8	86.8	86.8	86.8	86.8	86.8
IV 1800	81.1	84.0	85.1	86.8	87.0	87.1	87.1	87.1	87.1	87.3	87.7	87.7	87.7	87.7	87.7	87.7
IV 1500	81.6	84.9	87.0	88.1	88.3	88.4	88.4	88.4	88.4	88.7	89.2	89.2	89.2	89.2	89.2	89.2
IV 1200	82.2	85.7	87.8	88.9	89.1	89.2	89.2	89.2	89.2	89.3	89.6	89.6	89.6	89.6	89.6	89.6
IV 1000	83.0	86.7	88.9	90.1	91.1	91.1	91.1	91.1	91.1	91.2	91.4	91.8	91.8	91.8	91.8	91.8
IV 900	83.3	87.0	89.2	90.4	91.3	91.4	91.4	91.4	91.4	91.6	91.8	92.1	92.1	92.1	92.1	92.1
IV 800	83.6	87.2	89.6	90.8	91.6	91.9	91.9	91.9	91.9	92.0	92.2	92.6	92.6	92.6	92.6	92.6
IV 700	83.9	87.8	90.1	91.6	92.6	92.8	92.8	92.8	92.8	92.9	93.1	93.4	93.4	93.4	93.4	93.4
IV 600	84.1	88.0	90.4	91.9	92.9	93.3	93.3	93.3	93.3	93.6	93.8	94.1	94.1	94.1	94.1	94.1
IV 500	84.1	88.4	90.9	92.7	93.9	94.7	95.3	95.9	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 400	84.1	88.4	90.9	92.7	93.9	94.7	95.3	95.9	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 300	84.1	88.4	91.0	93.0	94.2	96.0	97.6	98.1	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 200	84.1	88.6	91.1	93.1	94.2	96.1	97.7	98.3	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 100	84.1	88.6	91.1	93.1	94.2	96.1	97.7	98.3	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 0	84.1	88.6	91.1	93.1	94.2	96.1	97.7	98.3	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 900

3  
JULIAL CLIMATOLOGY BRANCH  
ETAC  
METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NAME  
DAVISON AAF/FT BELVOIR VA

YEARS  
65-70, 73-79

NGV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	47.1	48.8	49.8	50.5	50.5	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥20000	50.6	52.3	53.5	54.3	54.4	54.6	54.7	54.7	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0
≥18000	50.7	52.5	53.6	54.4	54.5	54.9	54.8	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥16000	50.7	52.5	53.6	54.4	54.5	54.9	54.8	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥14000	51.3	53.1	54.2	55.0	55.1	55.4	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥12000	52.8	54.7	55.9	56.6	56.8	57.7	57.1	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.4
≥10000	55.5	54.9	57.7	60.5	60.7	60.9	61.0	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.3	61.3
≥9000	55.8	58.9	60.2	61.0	61.1	61.4	61.4	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.8
≥8000	56.3	63.1	64.6	65.6	65.8	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.5
≥7000	63.3	65.6	67.2	68.2	68.4	68.7	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.1	69.1
≥6000	65.2	67.8	69.4	70.4	70.6	70.9	71.3	71.3	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.4
≥5000	67.7	70.3	72.0	73.1	73.3	73.6	73.7	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.1
≥4500	69.2	71.4	73.6	74.7	74.9	75.2	75.4	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.7	75.7
≥4000	71.9	74.8	76.6	77.8	78.1	78.4	78.6	78.6	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥3500	73.4	76.3	78.3	79.5	79.9	80.2	80.4	80.4	80.5	80.6	80.6	80.7	80.7	80.7	80.7	80.8
≥3000	74.8	78.0	80.1	81.4	81.8	82.1	82.3	82.4	82.5	82.6	82.6	82.6	82.6	82.7	82.7	82.8
≥2500	75.5	79.1	81.3	82.8	83.2	83.5	83.8	83.9	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.3
≥2000	76.7	80.6	82.8	84.5	85.0	85.4	85.6	85.7	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.1
≥1800	76.9	81.3	83.2	85.0	85.5	85.9	86.2	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.6	86.6
≥1500	77.8	81.5	84.3	86.2	86.8	87.3	87.6	87.7	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.1
≥1200	78.1	82.4	85.1	87.1	87.8	88.4	88.7	88.8	89.0	89.1	89.1	89.1	89.1	89.1	89.2	89.2
≥1000	78.4	83.1	85.7	88.1	89.0	89.7	90.1	90.2	90.4	90.5	90.5	90.5	90.5	90.5	90.6	90.6
≥900	78.6	83.2	86.0	88.5	89.6	90.3	90.7	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.2	91.2
≥800	78.7	83.5	86.4	89.0	90.3	91.2	91.6	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.1	92.2
≥700	78.9	83.9	86.9	89.7	90.9	92.0	92.5	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.1	93.1
≥600	79.0	84.1	87.2	90.1	91.5	92.9	93.6	93.8	94.0	94.1	94.1	94.1	94.1	94.2	94.2	94.3
≥500	79.1	84.5	87.9	91.2	92.9	94.5	95.4	95.8	96.0	96.1	96.1	96.2	96.3	96.3	96.3	96.3
≥400	79.4	84.7	88.2	91.5	93.3	95.2	96.5	96.9	97.3	97.4	97.4	97.5	97.5	97.5	97.6	97.7
≥300	79.4	84.8	88.2	91.7	93.5	95.6	97.0	97.5	98.0	98.2	98.2	98.3	98.3	98.4	98.5	98.6
≥200	79.4	84.8	88.2	91.7	93.5	95.7	97.1	97.7	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥100	79.4	84.8	88.2	91.7	93.5	95.7	97.1	97.7	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥0	79.4	84.8	88.2	91.7	93.5	95.7	97.1	97.7	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 7,500

3

## (

DEC

1000

[illegible]

4118

## MONA

737-233

(TOTAL NUMBER OF OBSERVATIONS 923USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

GLOBAL CLIMATOLOGY BRANCH  
 GRAF-TAC  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-8  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-74, 73-79  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

630-0500  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		51.7	52.5	53.2	53.8	54.0	54.1	54.1	54.2	54.3	54.3	54.3	54.3	54.4	54.5	54.5
≥ 20000		53.7	55.1	55.7	56.3	56.5	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.9	57.0
≥ 18000		53.7	55.1	55.7	56.3	56.5	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.9	57.0
≥ 16000		53.7	55.1	55.7	56.3	56.5	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.9	57.0
≥ 14000		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 12000		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 10000		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 9000		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 8000		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 7000		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 6000		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 5000		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 4500		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 4000		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 3500		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 3000		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 2500		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 2000		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 1800		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 1500		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 1200		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 1000		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 900		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 800		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 700		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 600		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 500		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 400		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 300		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 200		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 100		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3
≥ 0		53.7	55.2	56.0	56.5	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.3	57.3

TOTAL NUMBER OF OBSERVATIONS 924

CLERICAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 14150N 116°00E BELVOIR VA

58-71, 73-79

DEC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

651-3801  
HOURS 1151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		47.5	42.9	49.9	51.5	53.8	53.8	51.5	51.0	51.1	51.2	51.2	51.3	51.3	51.4	51.5
≥ 20000		51.2	51.5	52.6	53.2	53.5	53.5	53.7	53.7	53.8	53.9	53.9	54.0	54.0	54.1	54.2
≥ 18000		51.1	51.5	52.6	53.2	53.5	53.5	53.7	53.7	53.8	53.9	53.9	54.0	54.0	54.1	54.2
≥ 16000		51.1	51.5	52.6	53.2	53.5	53.5	53.7	53.7	53.8	53.9	53.9	54.0	54.0	54.1	54.2
≥ 14000		51.1	52.6	53.8	54.2	54.4	54.4	54.7	54.7	54.8	54.9	54.9	55.0	55.1	55.1	55.2
≥ 12000		52.9	54.1	55.3	56.7	56.3	56.3	56.5	56.5	56.6	56.7	56.7	56.8	56.8	56.9	57.0
≥ 10000		53.4	61.1	61.1	62.1	62.1	62.3	62.3	62.4	62.6	62.6	62.7	62.8	62.9	63.0	63.1
≥ 9000		58.4	67.3	61.3	67.1	62.4	62.4	62.7	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4
≥ 8000		62.8	64.6	66.4	66.7	67.1	67.1	67.2	67.4	67.5	67.6	67.6	67.7	67.9	68.0	68.1
≥ 7000		64.2	66.1	67.5	68.2	68.7	68.7	68.9	69.1	69.2	69.3	69.3	69.4	69.5	69.6	69.7
≥ 6000		66.6	68.5	70.1	70.7	71.2	71.2	71.4	71.5	71.6	71.8	71.8	71.9	72.0	72.1	72.2
≥ 5000		68.6	70.9	72.5	73.3	73.8	73.8	74.2	74.1	74.2	74.4	74.4	74.5	74.6	74.8	74.9
≥ 4500		67.7	72.2	73.8	74.7	75.2	75.2	75.4	75.5	75.6	75.8	75.8	75.9	76.0	76.2	76.3
≥ 4000		71.3	74.8	76.5	77.4	77.9	77.9	78.1	78.2	78.3	78.5	78.5	78.6	78.7	78.8	79.1
≥ 3500		74.1	76.7	78.7	79.7	80.3	80.3	80.5	80.6	80.8	81.0	81.0	81.1	81.2	81.4	81.5
≥ 3000		75.1	77.6	79.8	81.1	81.9	82.0	82.3	82.4	82.6	82.7	82.7	82.8	82.9	83.1	83.2
≥ 2500		76.2	79.1	81.3	82.7	83.7	83.9	84.1	84.2	84.4	84.5	84.5	84.6	84.7	85.0	85.1
≥ 2000		77.2	81.2	82.6	84.4	85.4	85.7	85.9	86.1	86.3	86.4	86.4	86.5	86.6	86.8	86.9
≥ 1800		77.2	81.3	83.7	85.6	86.6	87.1	87.3	87.4	87.7	87.8	87.8	87.9	88.0	88.2	88.3
≥ 1600		77.2	81.3	83.7	85.6	86.6	87.1	87.3	87.4	87.7	87.8	87.8	87.9	88.0	88.2	88.3
≥ 1400		77.2	81.3	83.7	85.6	86.6	87.1	87.3	87.4	87.7	87.8	87.8	87.9	88.0	88.2	88.3
≥ 1200		77.2	81.3	83.7	85.6	86.6	87.1	87.3	87.4	87.7	87.8	87.8	87.9	88.0	88.2	88.3
≥ 1000		77.2	81.3	83.7	85.6	86.6	87.1	87.3	87.4	87.7	87.8	87.8	87.9	88.0	88.2	88.3
≥ 900		77.2	81.3	83.7	85.6	86.6	87.1	87.3	87.4	87.7	87.8	87.8	87.9	88.0	88.2	88.3
≥ 800		77.2	81.3	83.7	85.6	86.6	87.1	87.3	87.4	87.7	87.8	87.8	87.9	88.0	88.2	88.3
≥ 700		77.2	81.3	83.7	85.6	86.6	87.1	87.3	87.4	87.7	87.8	87.8	87.9	88.0	88.2	88.3
≥ 600		77.2	81.3	83.7	85.6	86.6	87.1	87.3	87.4	87.7	87.8	87.8	87.9	88.0	88.2	88.3
≥ 500		77.2	81.3	83.7	85.6	86.6	87.1	87.3	87.4	87.7	87.8	87.8	87.9	88.0	88.2	88.3
≥ 400		77.2	81.3	83.7	85.6	86.6	87.1	87.3	87.4	87.7	87.8	87.8	87.9	88.0	88.2	88.3
≥ 300		77.2	81.3	83.7	85.6	86.6	87.1	87.3	87.4	87.7	87.8	87.8	87.9	88.0	88.2	88.3
≥ 200		77.2	81.3	83.7	85.6	86.6	87.1	87.3	87.4	87.7	87.8	87.8	87.9	88.0	88.2	88.3
≥ 100		77.2	81.3	83.7	85.6	86.6	87.1	87.3	87.4	87.7	87.8	87.8	87.9	88.0	88.2	88.3
≥ 0		77.2	81.3	83.7	85.6	86.6	87.1	87.3	87.4	87.7	87.8	87.8	87.9	88.0	88.2	88.3

TOTAL NUMBER OF OBSERVATIONS 924



## CEILING VERSUS VISIBILITY

47.3	DAVIDSON AAF/FT BELVOIR VA
STATION	STATION NAME

68-72, 73-19

950

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

29.7-1153

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING ≥ 20000	48.2 51.4	49.7 53.4	49.7 53.8	50.1 54.2	50.2 54.3	50.3 54.4	50.4 54.5	50.4 54.5	50.6 54.6	50.6 54.6	50.6 54.6	50.6 54.6	50.6 54.6	50.6 54.6	50.6 54.6	50.6 54.6
IV 18000 IV 16000	51.1 52.1	53.4 53.9	53.8 53.9	54.2 54.3	54.3 54.4	54.4 54.5	54.5 54.7	54.5 54.7	54.6 54.9	54.6 54.9	54.6 54.9	54.6 54.9	54.6 54.9	54.6 54.9	54.6 54.9	54.6 54.9
IV 14000 IV 12000	52.7 56.1	54.1 57.5	54.5 57.6	55.1 58.3	55.1 58.4	55.2 58.5	55.3 58.7	55.3 58.7	55.5 58.9	55.5 58.9	55.5 58.9	55.5 58.9	55.5 58.9	55.5 58.9	55.5 58.9	55.5 58.9
IV 10000 IV 9000	55.6 61.1	62.7 62.9	62.7 63.2	63.1 63.7	63.2 63.7	63.3 63.9	63.4 64.1	63.4 64.1	63.6 64.2	63.6 64.2	63.6 64.2	63.6 64.2	63.6 64.2	63.6 64.2	63.6 64.2	63.6 64.2
IV 8000 IV 7000	58.5 63.4	65.2 69.8	65.7 70.6	67.3 71.1	67.4 71.2	67.5 71.3	69.6 71.4	69.7 71.4	69.9 71.8	69.9 71.8	69.9 71.8	69.9 71.8	69.9 71.8	69.9 71.8	69.9 71.8	69.9 71.8
IV 6000 IV 5000	69.2 71.9	71.1 72.9	71.9 73.7	72.4 74.2	72.5 74.4	72.6 74.5	72.7 74.5	72.8 74.7	73.1 74.9	73.1 74.9	73.1 74.9	73.1 74.9	73.1 74.9	73.1 74.9	73.1 74.9	73.1 74.9
IV 4500 IV 4000	72.9 75.1	74.9 78.1	75.8 76.9	77.4 79.7	76.5 79.9	76.6 80.1	76.7 80.2	76.8 80.4	77.1 80.7	77.1 80.7	77.1 80.7	77.1 80.7	77.1 80.7	77.1 80.7	77.1 80.7	77.1 80.7
IV 3500 IV 3000	77.2 77.6	79.2 79.7	80.1 80.7	81.1 81.7	81.2 81.9	81.4 82.1	81.5 82.3	81.7 82.5	82.3 82.8	82.3 82.8	82.3 82.8	82.3 82.8	82.3 82.8	82.3 82.8	82.3 82.8	82.3 82.8
IV 2500 IV 2000	79.4 78.9	81.7 81.5	81.8 82.6	83.1 84.2	83.3 84.4	83.5 84.6	83.7 84.7	83.9 85.1	84.2 85.4	84.2 85.4	84.2 85.4	84.2 85.4	84.2 85.4	84.2 85.4	84.2 85.4	84.2 85.4
IV 1800 IV 1500	79.1 79.9	81.7 82.5	83.0 83.1	84.4 85.6	84.6 85.8	84.8 86.1	85.1 86.3	85.2 86.5	85.6 86.7	85.6 86.9	85.6 86.9	85.6 86.9	85.6 86.9	85.6 86.9	85.6 86.9	85.6 86.9
IV 1200 IV 1000	81.6 81.7	83.9 85.3	85.4 87.1	87.2 89.1	87.4 89.5	87.9 89.9	88.3 90.2	88.2 90.2	88.6 91.5	88.6 91.5	88.6 91.5	88.6 91.5	88.6 91.5	88.6 91.5	88.6 91.5	88.6 91.5
IV 900 IV 800	81.7 82.4	85.3 85.9	87.1 87.8	89.1 89.7	89.5 90.2	89.9 90.9	90.2 91.2	90.5 91.2	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5
IV 700 IV 600	82.5 82.7	85.9 85.4	87.9 87.4	89.9 89.5	90.5 90.3	91.1 91.7	91.5 92.3	91.9 92.6	92.4 93.4	92.4 93.4	92.4 93.4	92.4 93.4	92.4 93.4	92.4 93.4	92.4 93.4	92.4 93.4
IV 500 IV 400	93.1 93.1	95.8 96.4	98.7 99.1	91.3 91.9	91.5 92.5	92.7 93.5	93.2 94.6	93.8 95.3	94.9 96.6	95.1 97.0	95.1 97.0	95.5 97.3	95.5 97.4	95.5 97.6	95.5 97.6	95.5 97.6
IV 300 IV 200	93.1 93.1	96.7 96.7	99.1 99.1	91.9 91.9	92.7 92.9	93.8 93.9	95.1 95.1	96.2 96.2	97.9 97.9	98.3 98.4	98.3 98.4	98.8 99.3	98.8 99.5			

TOTAL NUMBER OF OBSERVATIONS 324

JOINT CLIMATOLOGY DIVISION  
OFFICE  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

LAVERGNE AAF/FT BELVOIR VA

68-77,73-10

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12-1-1492  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥.	≥0
NO CEILING		45.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000		52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000		52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 16000		52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 14000		53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 12000		57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 10000		62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 9000		63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 8000		67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 7000		68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 6000		70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 5000		72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4500		73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4000		74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500		77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000		81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2500		83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000		84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800		84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500		84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1200		85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1000		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 900		86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 800		86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 700		87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 600		88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 500		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 400		89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 300		90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 200		90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 100		90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 0		90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3

TOTAL NUMBER OF OBSERVATIONS 923

U.S. AIR FORCE CLIMATOLOGY BRANCH  
AFAC  
AIR DATA SERVICE/MAL

# CEILING VERSUS VISIBILITY

STATION NAME  
DAVIDSON AAF/FT BELVOIR VA

PERIOD  
6.1-7.15-75

MONTH  
DEC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERIOD  
15.1-17.1  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000		53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 18000		53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 16000		53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 14000		53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 12000		56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 10000		61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 9000		62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 8000		65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 7000		66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 6000		69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 5000		74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 4500		75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 4000		78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 3500		81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3000		83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500		84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000		85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1800		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500		87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1200		88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1000		89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 900		91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 800		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 700		92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 600		93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 500		94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 400		95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 300		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 200		97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 100		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 118

U.S. AIR FORCE  
CLIMATE BRANCH  
METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 3 LAMSON AAF/FT BELVOIR VA  
STATION NAME

65-77, 73-79 YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18-2-20  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	4.6	51.4	51.3	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 20000	4.6	55.0	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 18000	4.6	55.0	55.1	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	4.6	55.0	55.1	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	54.0	55.0	55.7	55.8	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 12000	57.3	55.0	55.1	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 10000	5.0	61.0	61.6	61.7	61.7	61.7	61.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 9000	4.1	61.9	61.9	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 8000	4.5	65.7	65.4	65.9	65.9	65.9	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 7000	4.5	66.7	66.2	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 6000	67.5	68.7	68.3	68.9	68.9	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 5000	72.2	72.5	73.0	73.7	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 4500	73.2	74.1	74.2	75.0	75.3	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	76.2	77.3	77.4	78.2	78.5	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	77.3	79.4	79.8	81.7	81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3000	80.3	81.6	82.0	83.0	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500	81.2	83.0	83.4	84.4	84.8	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 2000	82.5	84.1	84.7	85.7	85.1	85.2	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1800	83.0	84.7	84.8	85.8	86.2	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1500	83.7	85.0	85.7	86.7	87.1	87.2	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1200	84.4	85.7	86.1	87.7	88.2	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1000	85.0	86.5	87.2	88.4	89.0	89.1	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 900	85.5	87.1	87.9	89.3	89.8	89.7	89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 800	85.6	87.2	88.1	89.4	89.9	89.9	89.9	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 700	85.6	87.2	88.1	89.6	90.3	90.5	90.5	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 600	85.6	87.7	88.8	90.6	91.3	91.4	91.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 500	85.8	87.8	88.9	91.9	92.1	92.1	92.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	85.8	87.8	88.9	91.2	92.5	92.9	92.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 300	85.9	87.9	89.0	91.4	92.7	94.2	94.2	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 200	85.9	87.9	89.0	91.4	92.7	94.2	94.2	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 100	85.9	87.9	89.0	91.4	92.7	94.2	94.2	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 0	85.9	87.9	89.0	91.4	92.7	94.2	94.2	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9

TOTAL NUMBER OF OBSERVATIONS 916

3  
JULY 1964  
AFM 7-14.5 (OL A)

# CEILING VERSUS VISIBILITY

STATION NAME  
DAVIDSON AAF/FT BELVOIR VA

PERIOD  
60-70, 73-77

MONTH  
DEC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21-3-7377  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	51.7	51.4	51.7	51.8	51.8	51.3	51.8	51.8	51.8	51.8	51.8	51.8	52.7	52.7	52.7	52.7
≥ 20000	55.7	54.8	54.8	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 18000	54.4	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.3	55.3	55.3	55.4
≥ 16000	54.4	54.4	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.4	55.4	55.4	55.5
≥ 14000	55.7	55.7	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.4	56.4	56.4	56.5
≥ 12000	56.4	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.0	58.0	58.0	58.1
≥ 10000	61.7	61.7	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.7	61.7	61.7	61.7
≥ 9000	61.7	61.7	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.1	62.1	62.1	62.2
≥ 8000	63.4	63.4	64.8	65.2	65.2	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.4	65.4	65.4	65.5
≥ 7000	65.7	65.7	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.3	67.3	67.3	67.4
≥ 6000	66.7	68.1	69.1	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.6	69.6	69.6	69.7
≥ 5000	72.7	72.7	73.2	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	74.1	74.1	74.1	74.2
≥ 4500	73.1	73.1	74.1	74.5	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.1	75.1	75.2
≥ 4000	76.4	76.4	77.0	77.6	77.7	77.9	77.9	78.1	78.3	78.4	78.4	78.4	78.6	78.6	78.6	78.7
≥ 3500	77.9	77.9	79.3	80.7	80.7	80.7	80.7	81.1	81.1	81.2	81.2	81.2	81.4	81.4	81.4	81.5
≥ 3000	82.1	82.1	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	82.1	82.1	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2000	83.4	83.4	84.2	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1800	84.2	84.2	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	85.4	85.4	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1200	86.7	86.7	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1000	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 900	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 800	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 700	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 600	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 400	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 300	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 200	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 100	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3

TOTAL NUMBER OF OBSERVATIONS 115

U.S. AIR FORCE  
AFSTAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NAME  
DAVISON AFB/FT BELVOIR VI

65-77, 73-79

DEC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS 11-51

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥1	≥0
NO CEILING		42.1	47.2	51.3	55.5	59.6	63.8	67.9	72.1	76.2	80.3	84.5	88.6	92.7	96.8	100.0
≥ 20000		52.9	53.5	54.1	54.7	55.3	55.9	56.5	57.1	57.7	58.3	58.9	59.5	60.1	60.7	61.3
≥ 18000		57.8	58.4	59.0	59.6	60.2	60.8	61.4	62.0	62.6	63.2	63.8	64.4	65.0	65.6	66.2
≥ 16000		52.3	53.7	54.1	54.4	54.8	55.2	55.6	56.0	56.4	56.8	57.2	57.6	58.0	58.4	58.8
≥ 14000		53.5	54.7	54.8	55.1	55.4	55.7	56.0	56.3	56.6	56.9	57.2	57.5	57.8	58.1	58.4
≥ 12000		55.3	56.7	57.3	57.5	57.6	57.8	58.1	58.4	58.7	59.0	59.3	59.6	59.9	60.2	60.5
≥ 10000		55.3	61.1	61.6	62.0	62.3	62.6	62.9	63.2	63.5	63.8	64.1	64.4	64.7	65.0	65.3
≥ 9000		55.7	61.6	62.2	62.5	62.6	62.8	63.1	63.4	63.7	64.0	64.3	64.6	64.9	65.2	65.5
≥ 8000		54.2	65.4	66.0	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5
≥ 7000		65.5	67.7	67.7	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2
≥ 6000		67.3	69.7	69.8	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3
≥ 5000		71.4	72.4	73.3	73.8	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0
≥ 4500		72.7	74.7	74.7	75.3	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5
≥ 4000		75.6	77.7	77.9	78.5	78.7	78.9	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9
≥ 3500		77.4	79.8	79.9	80.6	80.9	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0
≥ 3000		78.7	80.4	81.5	82.3	82.6	82.8	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8
≥ 2500		79.7	81.7	82.7	83.6	84.0	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1
≥ 2000		80.8	82.5	83.5	84.9	85.2	85.4	85.6	85.7	85.9	86.0	86.1	86.2	86.3	86.4	86.5
≥ 1800		81.7	82.7	84.4	85.1	85.4	85.6	85.8	85.9	86.1	86.1	86.2	86.3	86.4	86.5	86.6
≥ 1500		81.4	83.5	84.9	85.7	86.4	86.7	86.8	86.9	87.1	87.2	87.3	87.4	87.5	87.6	87.7
≥ 1200		82.2	84.5	86.1	87.4	87.8	88.1	88.3	88.4	88.7	88.7	88.8	88.9	89.0	89.1	89.2
≥ 1000		82.8	85.3	87.3	88.3	88.8	89.2	89.5	89.6	89.9	90.1	90.2	90.3	90.4	90.5	90.6
≥ 900		83.1	85.7	87.5	88.9	89.4	89.9	90.2	90.4	90.7	90.7	90.8	90.9	91.0	91.1	91.2
≥ 800		83.5	86.2	88.1	89.5	90.1	90.6	91.0	91.2	91.5	91.6	91.6	91.7	91.8	91.9	92.0
≥ 700		83.6	86.4	88.3	89.7	90.7	91.3	91.8	92.1	92.3	92.4	92.4	92.5	92.6	92.7	92.8
≥ 600		83.8	86.7	88.7	89.6	91.3	92.2	92.8	93.1	93.5	93.6	93.7	93.8	93.9	94.0	94.1
≥ 500		84.1	87.1	89.2	91.2	92.1	93.2	93.9	94.3	94.9	95.1	95.1	95.2	95.3	95.4	95.5
≥ 400		84.1	87.2	89.4	91.6	92.5	93.9	94.8	95.4	96.1	96.3	96.4	96.5	96.6	96.7	96.8
≥ 300		84.2	87.3	89.5	91.8	92.8	94.4	95.5	96.2	97.1	97.3	97.4	97.5	97.6	97.7	97.8
≥ 200		84.2	87.3	89.6	91.9	92.9	94.5	95.8	96.5	97.5	97.9	97.9	98.0	98.1	98.2	98.3
≥ 100		84.2	87.3	89.6	91.9	92.9	94.6	95.9	96.6	97.6	98.0	98.1	98.2	98.3	98.4	98.5
≥ 0		84.2	87.3	89.6	91.9	92.9	94.6	95.9	96.6	97.6	98.0	98.1	98.2	98.3	98.4	98.5

TOTAL NUMBER OF OBSERVATIONS 7364

JOINT CLIMATOLOGY BRANCH  
USAF ETAC  
METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: DAVIDSON AAF/FT BELVOIR VI YEARS: 68-71, 73-81 MONTH: ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	47.1	49.5	51.5	53.3	55.2	56.6	58.1	58.5	58.7	58.8	58.9	59.1	59.1	59.1	59.1	59.2
≥20000	51.2	54.1	55.5	57.8	58.1	58.5	58.7	58.8	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥18000	51.3	54.1	55.5	57.8	58.1	58.5	58.7	58.8	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥16000	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥14000	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥12000	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥10000	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥9000	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥8000	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥7000	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥6000	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥5000	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥4500	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥4000	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥3500	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥3000	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥2500	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥2000	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥1800	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥1500	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥1200	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥1000	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥900	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥800	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥700	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥600	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥500	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥400	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥300	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥200	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥100	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥0	51.4	54.3	55.8	58.0	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2

TOTAL NUMBER OF OBSERVATIONS 87518

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED,  
BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE  
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

NOTE: PERCENTAGES IN OTHER TENTHS CLASSES SHOULD BE  
DISREGARDED, BECAUSE THEY ARE NOT STATISTICALLY  
SIGNIFICANT.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

43728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-80  
PERIOD

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	3-02	32.4			15.0						11.7	40.9	5.6	922
	3-05	30.0			16.7						14.3	39.0	5.7	921
	6-08	22.5			18.7						17.6	41.3	6.3	921
	9-11	14.9			19.0						18.2	47.9	7.7	922
	12-14	11.4			27.8						21.3	46.5	7.2	924
	15-17	13.5			22.1						22.6	41.7	6.9	923
	18-20	22.1			20.0						16.0	41.9	6.2	924
	21-23	31.1			15.0						13.1	41.8	5.8	921
TOTALS		22.1			18.4						16.9	42.6	6.3	7378

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SKY COVER

13728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-83

FEB  
MON

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
FEB	2-02	33.5			18.4						11.4	36.8	5.3	843
	03-05	34.2			17.6						10.1	38.1	5.2	842
	06-08	25.7			19.3						16.8	38.2	5.9	844
	9-11	18.9			18.7						22.3	40.1	5.6	846
	12-14	15.2			23.8						20.8	40.2	6.6	846
	15-17	15.4			24.6						21.6	38.4	6.5	846
	18-20	25.3			21.4						15.1	38.2	5.8	846
	21-23	33.9			18.4						12.0	35.8	5.2	844
TOTALS		25.3			21.3						16.3	38.2	5.9	6751

**USAFETAC**

FORM 0-9-5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SKY COVER

MAR  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAR	10-02	29.3			16.3						11.5	43.1	5.8	923
	13-05	28.1			16.6						11.5	43.8	5.9	924
	16-08	15.9			21.3						19.1	44.6	6.8	930
	19-11	11.4			19.4						21.2	48.0	7.3	928
	12-14	12.9			18.3						22.2	46.7	7.2	930
	15-17	14.8			17.0						25.3	42.9	7.1	930
	18-21	19.1			21.9						19.4	40.7	6.4	929
	21-23	28.2			18.3						13.8	39.7	5.8	927
TOTALS		21.0			18.4						18.0	43.7	6.5	7421

## SKY COVER

APR  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	0-02	32.4			19.7						15.6	32.3	5.2	898
	3-05	31.3			20.3						16.5	32.0	5.3	898
	6-08	19.8			21.4						20.8	39.0	6.4	900
	09-11	18.8			22.8						20.2	40.2	6.5	900
	12-14	16.0			23.6						21.6	38.9	6.5	899
	15-17	13.3			28.0						22.4	36.2	6.5	900
	18-20	17.8			25.4						19.6	37.3	6.2	899
	21-23	27.1			24.0						15.2	33.8	5.5	900
TOTALS		22.1			22.8						19.0	36.2	6.0	7194

32

## 14

MAY  
MONTH

1

**Q**

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

(၆)

## SKY COVER

JUN  
MONIA

STATION

STATION NAME

PERIOD

MONIA

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUN	0-02	22.6			22.4						21.1	33.9	6.7	678
	3-05	16.5			26.4						23.1	34.1	6.3	880
	06-08	14.0			24.4						24.8	36.7	6.6	890
	09-11	13.3			24.0						24.7	38.0	6.7	895
	12-14	5.7			33.7						28.7	35.0	7.0	897
	15-17	5.6			31.2						31.4	31.6	6.9	894
	18-20	8.2			31.2						27.6	34.1	6.8	895
	21-23	18.1			25.5						20.2	36.3	6.2	880
TOTALS		13.0			26.9						25.2	35.0	6.6	7109

FORM 0-9-5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SKY COVER

77178  
STATION

68-73, 73-79

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	22.7			25.2						19.2	32.9	5.8	897
	03-05	18.6			24.7						21.0	35.8	6.2	899
	06-08	12.3			27.1						24.9	35.6	6.6	910
	09-11	11.6			27.8						25.3	35.3	6.6	917
	12-14	4.4			34.2						29.2	32.2	6.9	926
	15-17	5.3			33.8						28.4	32.4	6.8	922
	18-20	12.6			27.2						20.7	41.3	6.8	918
	21-23	19.9			24.7						18.6	36.8	6.1	904
TOTALS		13.2			28.1						23.4	35.3	6.5	7293

## SKY COVER

7728  
STATION

LAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79

AUG  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	1-02	27.9			27.3						16.3	28.5	5.1	891
	03-05	25.8			27.7						17.5	29.1	5.3	888
	06-08	16.2			22.8						28.9	32.1	6.5	913
	09-11	17.6			22.9						29.4	30.1	6.3	925
	12-14	9.1			34.3						29.8	26.8	6.4	926
	15-17	1.3			34.9						29.3	25.6	6.2	926
	18-20	15.4			26.5						28.9	27.3	6.3	911
	21-23	24.8			24.2						21.2	29.7	5.6	899
TOTALS		18.4			27.6						25.2	28.9	6.0	7280



## SKY COVER

68-70, 73-79

SEP  
MON

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JEP	0-52	34.4			2.5						14.5	30.6	5.0	876
	03-05	35.8			1.7						14.6	31.9	5.1	855
	6-08	30.9			24.6						23.2	31.3	5.0	887
	9-11	19.7			25.0						24.5	30.8	6.0	899
	12-14	12.1			32.7						23.9	31.4	6.3	897
	15-17	12.7			33.4						26.5	27.4	6.1	895
	18-2	19.1			30.6						21.8	28.5	5.7	885
	21-23	31.1			24.2						15.6	29.1	5.0	872
TOTALS		23.2			26.1						20.6	30.1	5.6	7076

## SKY COVER

STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	42.7			11.7						13.3	32.3	4.8	913
	03-05	39.2			15.6						15.7	34.5	4.9	906
	06-08	21.9			24.6						20.2	33.3	5.9	914
	09-11	20.2			24.4						22.5	32.9	6.0	925
	12-14	15.0			26.3						26.3	31.4	6.3	930
	15-17	20.1			27.1						23.2	29.6	5.9	935
	18-20	20.9			22.7						17.1	30.2	5.2	929
	21-23	38.2			18.3						13.3	30.2	4.8	924
TOTALS		28.5			21.3						18.3	31.8	5.5	7371

USAFETAC

FORM 0-9-5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SKY COVER

NOV  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
NOV	0-02	31.3			17.1						13.4	38.2	5.5	897
	03-05	31.6			17.2						11.6	39.7	5.5	892
	06-08	22.3			24.6						19.7	35.7	6.1	897
	09-11	16.5			22.9						16.4	42.3	6.6	899
	12-14	12.1			22.2						26.0	39.6	7.0	899
	15-17	11.5			23.7						24.5	40.4	7.0	899
	18-20	22.4			21.4						18.4	38.3	6.1	899
	21-23	31.7			19.6						12.9	36.8	5.4	893
TOTALS		22.7			21.1						18.1	38.9	6.2	7173

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SKY COVER

42728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
DEC	5-32	47.6			19.7						12.9	40.6	5.8	917
	3-35	49.7			4.3						11.4	39.2	5.6	920
	6-38	41.3			23.7						16.0	39.0	6.7	919
	8-41	14.2			27.3						20.3	38.2	6.5	923
	12-14	11.4			26.4						22.4	39.8	6.8	920
	15-17	14.4			24.6						22.3	38.7	6.6	918
	18-2	25.6			4.1						11.9	42.4	5.9	915
	21-23	3.3			15.9						14.0	39.8	5.7	912
TOTALS		21.7			22.2						16.4	39.7	6.1	7344

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SKY COVER

4728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

66-70, 73-80  
PERIOD

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	22.1			13.4						16.9	42.6	6.3	7378
FEB		25.3			21.3						16.3	38.2	5.9	6757
MAR		22.1			16.4						18.0	43.7	6.5	7421
APR		22.1			22.8						19.0	36.2	6.2	7194
MAY		17.3			23.8						21.6	37.3	6.4	7387
JUN		13.6			26.9						25.2	35.0	6.6	7109
JUL		13.2			28.1						23.4	35.3	6.5	7293
AUG		18.4			27.6						25.2	28.9	6.0	7280
SEP		23.2			26.1						20.6	30.1	5.6	7076
OCT		29.5			21.3						18.3	31.8	5.5	7371
NOV		22.1			21.1						18.1	38.9	6.2	7173
DEC		21.7			22.2						16.4	39.7	6.1	7344
TOTALS		20.6			23.1						19.9	36.5	6.1	86783

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

**NOTE:** Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
  - b. Extreme minimum temperature
- NOTE:** Direct conversion of temperatures from Celsius to Fahrenheit values results in the exclusion of certain values. The conversion method used at OL A to present these data may result in differences not exceeding  $\pm 1^\circ$  from directly converted values but excludes no Fahrenheit values.

**NOTE:** The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958, and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

## PSYCHROMETRIC SUMMARY

YEARS

JAN  
MONTH

PAGE : 7300-72.5  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
57/55		.2	.1															3	3					
57/54		.1	.2															4	4					
57/53			.1															2	2					
57/52		.2	.2															4	4					
57/51		.2	.2															5	5					
57/50		.1	.1															3	3					
57/49			.1	.1														4	4					
57/48		.2	.2	.1														6	6					
57/47		.1	.3	.2			.2											8	8					
57/46		.1	.3	.4			.1											9	9					
57/45	1.2			.7	.2													21	21	7				
57/44	1.2	1.1	1.1	.1														32	32					
57/43	.1	1.6	.5	.4	.1													33	33	3				
57/42	.1	1.1	1.5	.8	.4													36	36	6				
57/41	.1	1.4	2.1	1.3														51	51	2				
57/40	.6	3.1	2.1	2.1														67	67	10				
57/39	.9	2.4	2.6	2.2	.2													76	76	36				
57/38	.8	4.3	3.9	2.1	.5													127	127	46				
57/37	.4	4.2	2.4	1.8														85	85	61				
57/36	.2	2.2	1.5	.7														49	49	45				
57/35	.1	2.3	1.3	1.0														45	45	53				
57/34	.4	3.1	2.4	.7														51	51	45				
57/33	.2	2.1	3.0	.1														51	51	48				
57/32	.4	3.1	1.0															43	43	61				
57/31	.1	3.1	.2															39	39	52				
57/30	.2	1.5	.3															25	25	47				
57/29	.5	1.3	.7															21	21	40				
57/28		1.5	.2															11	11	44				
57/27		.7	.1															7	7	51				
57/26		.1	.1															2	2	57				
57/25		.2																3	3	33				
57/24		.7																6	6	24				
57/23		.4																4	4	44				
57/22																		2	2	3				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

0-26-5 (OLA)  
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USAFETAC



## PSYCHROMETRIC SUMMARY

18	DAVISON AAF/FT BELVOIR VA
STATION	STATION NAME

68-72,73-a

YEARS

JAN  
MONTH

PAGE - 200-5203  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 68-71,73-8  
STATION NAME JAVILON AAF/FT BELVOIR VA

68-71,73-8

YEARS

JAN  
MONTH

PAGE 1 1311-5.0  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
47-50		.3																	3	3							
47-49		.3	.1																4	4							
47-48		.2	.2																5	5							
47-46		.1																	4	4	2	2					
47-45		.1																	1	1	7	2					
47-44		.1																	6	6	1	4					
47-43		.2																	6	6	2	4					
47-42		.5																	11	11	6	4					
47-41		1.4																	24	24	3	2					
47-40		1.6	.5																27	27	2	7					
47-39		1.2	.6																26	26	23	12					
47-38		.9	1.3	1.2															33	35	2						
47-37		1.5	1.3	1.2	.1														49	49	35	22					
47-36		1.6	1.4	.6	1.8														74	74	59	37					
47-35		2.5	3.2	1.7															72	72	53	41					
47-34	.6	4.7	2.2	2.2	.2														91	91	57	47					
47-33	1.4	3.2	2.3	1.4	.2														85	85	14	66					
47-32	.6	2.7	1.8	.6															54	54	59	49					
47-31	.3	3.6	1.6	.3															54	54	74	64					
47-30	.1	2.2	1.9	.8															46	46	63	53					
47-29	.8	1.4	2.7	.2															46	46	46	52					
47-28	.5	3.1	1.4																45	45	47	55					
47-27	.4	2.5	1.1	.2															38	38	58	63					
47-26	.4	3.2	.3																37	37	41	33					
47-25	.9	1.5																	19	19	23	33					
47-24	.5	1.6	.5																27	27	27	44					
47-23		1.3																	12	12	11	49					
47-22	.1	.4																	5	5	15	52					
47-21		.4																	4	4	5	27					
47-20		.3																	5	5	6	25					
47-19	.2	.2																	5	5	4	23					
47-18	.1																		1	1	4	21					
47-17																			3	3	3	2					
Element (X)	Σ X <sup>2</sup>				Σ X				X̄				s <sub>x</sub>				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CHROMETRIC SUMMARY

MONTH

7.4 - 11.5  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
-1/-5	0.1																	1	1	1	3			
-2/-7																					3			
-3/-4																					4			
-1/-11																					5			
-1/-13																					2			
-1/-15																					4			
TOTAL	11.1	48.1	25.5	3.6	2.2	.4												924	724	924	924			

Element (X)	Σ X <sup>2</sup>	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4112216	65.75	7.416423		924							
Dry Bulb	286822	26235	27.915721		924	.5	58.2					92
Wet Bulb	747319	24485	26.510230		924	.2	67.7					23
Dew Point	521929	18515	2.012874		924	5.5	70.5					2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1229 LAVISON AAF/FT BELVOIR VA

55-77, 73-8

YEARS

JAN  
MONTH

PAGE 1 06-11-81  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point											
1/1																		4	4													
1/2																		2	2													
1/3																		5	5													
1/4																		3	3													
1/5																		4	4	4												
1/6																		4	4	7												
1/7																		7	7	4												
1/8																		3	9	4												
1/9																		12	12	7												
1/10																		38	12													
1/11																		21	21	34												
1/12																		17	17	12												
1/13																		41	41	31												
1/14																		64	64	5												
1/15																		79	79	79	3											
1/16																		72	72	65												
1/17																		64	64	58	38											
1/18																		59	59	74	46											
1/19																		53	53	58	53											
1/20																		50	50	69	52											
1/21																		61	61	54	49											
1/22																		38	38	26	20											
1/23																		41	41	59	67											
1/24																		27	31	42	39											
1/25																		35	35	38	34											
1/26																		22	22	35	43											
1/27																		14	14	18	53											
1/28																		7	7	14												
1/29																		8	8	10	24											
1/30																		5	5	6	22											
1/31																		9	9	7	26											
1/32																		4	4	7	12											
1/33																		1	1	1	15											
1/34																		1	1	1	7											
Element (X)	Σ X <sup>2</sup>					Σ X					X̄					s <sub>x</sub>					No. Obs.					Mean No. of Hours with Temperature						
Ref Hum.																										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																																
Wet Bulb																																
Dew Point																																

## PSYCHROMETRIC SUMMARY

JAN  
MONTH

6 = 33  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
-5/-1																					7				
-4/-2																					2				
-3/-1																					4				
-2/-1																					2				
-1/-1																					3				
0/-1																					3				
Total	1	14	2	4	2	4	3												924	924	924				

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1978 DAVISON AAF/FT BELVOIR VA

62-71,73-8

YEARS

JAN  
MONTH

PAGE 1

39.3-11.0  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
56/ 65			.1		.1													2	2					
4/ 54			.1															1	1					
7/ 64			.2		.1													3	3					
6/ 59			.1	.2	.1													4	4	3	2			
7/ 57			.1	.3														4	4	1	2			
5/ 55		.5			.1	.1												8	8	2	1			
4/ 53		.4	.2	.4	.2	.1												13	13	9	4			
7/ 51		.2	.5	.2														3	5	8	6			
5/ 49		.4	.1	.3		.1	.1											10	10	5	4			
7/ 47	.1	.5	.2	.3	.5	.2	.1											20	20	11	8			
4/ 45	.1	1.7	.2	.2	.5	.1												27	27	23				
4/ 42	.2	1.1	.3	.3	.2	.2												33	33	20	8			
7/ 41	.4	.6	.3	1.2	1.	.4												39	39	7	27			
7/ 39	.2	2.2	1.5	1.3	1.	.2												64	64	29	7			
3/ 37	.5	2.4	2.3	3.5	1.7	.3												96	96	49	29			
5/ 35	.2	2.6	2.3	1.8	.5	.1												75	75	55	23			
24/ 33	.4	2.7	2.4	1.6	1.3													79	79	91	31			
7/ 31	.4	4.1	3.2	3.2	.2													132	132	68	38			
7/ 29	.2	1.6	2.2	2.2	.4													68	68	89	52			
7/ 27	.4	2.2	2.2	2.2	.2													66	66	77	58			
7/ 25		1.1	3.1	1.4														52	52	78	55			
7/ 23		1.1	2.3	.5														36	36	58	32			
7/ 21	.1	1.3	3.	.3														44	44	61	63			
7/ 19		.2	2.2	.2														29	29	46	55			
7/ 17	.3	.6	.6															15	15	41	46			
11/ 15		.6	.3															13	13	2	37			
7/ 13		.2	.2															4	4	15	53			
11/ 11	.1	.3	.2															6	6	8	47			
7/ 9		.4																4	4	5	48			
7/ 7		.3																3	3	6	41			
7/ 5																				3	26			
7/ 3		.2																2	2	1	22			
7/ 1																				1	19			
7/ -																					1			
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OLA) JUL 64

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

191  
MONTH

3920-1117  
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-1/-																					.3			
-4/-5																					.?			
-5/-7																					.4			
-3/-5																					.2			
-1/-1!																					.2			
ICIAL	4.73	1.4	31.7	22.3	8.5	1.9	.4												924		924			
																		924		924				
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature							Total											
Rel. Hum.	4 85522	54062	63.2	18.335	924	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	1154217	33785	33.2	9.536	924		44.7					93												
Wet Bulb	887813	27335	29.6	9.260	924		60.1					63												
Dew Point	576292	19218	21.4	12.880	924	4.2	75.6					0												

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 12778 DAVISON AAF/FT BELVOIR VA

69-70, 71-72

YEARS

JAN  
MONTH

PAGE 1

12778-14  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
74 / 71					.1													1	1					
73 / 70						.1	.2											3	3					
72 / 69				.1		.1	.1											3	3					
71 / 68							.1											1	1					
70 / 67						.2	.2											2	2	1				
69 / 66							.2	.2										5	5	1				
68 / 65				.1	.3	.1		.1										5	5	1				
67 / 64		.1	.1	.1	.2	.2	.1	.1										8	8	3				
66 / 63		.4	.4	.1	.2	.2	.2	.7										15	15	5				
65 / 62		.6	.4	.1	.2	.2	.2											22	22	9				
64 / 61		.2	.1	.3	.3	.3												12	12	11				
63 / 60			.2	.2	.1	.4	.2	.2										14	14	9				
62 / 59	.1	.1	.1	.3	.7	.5	.2											20	20	5				
61 / 58		.2		.7	.9	.9	.5											38	38	25				
60 / 57		1.4	.5	.9	1.2	1.5	.1											52	52	31				
59 / 56	.1	1.2	1.1	1.1	2.4	1.1	.3											66	66	21				
58 / 55	.2	1.6	1.2	1.5	2.3	.8												70	70	36				
57 / 54		1.3	.8	1.3	2.7	.9												69	69	51				
56 / 53	.5	1.1	1.5	1.7	2.1	.5												69	69	64				
55 / 52	.1	1.3	2.1	1.4	3.4	.5												82	82	71				
54 / 51	.3	1.3	2.6	2.3	2.2													82	82	88				
53 / 50		1.7	2.2	3.2	2.5													96	96	78				
52 / 49		.7	1.1	3.6	1.1													58	58	83				
51 / 48		.4	1.3	3.7	.2													52	52	81				
50 / 47		.4	1.2	1.2														26	26	80				
49 / 46		.1	1.2	.4														16	16	60				
48 / 45	.1		.8	.5														13	13	43				
47 / 44			1.7	.3														12	12	22				
46 / 43			.2															2	2	4				
45 / 42		.1																1	1	5				
44 / 41		.2																2	2	1				
43 / 40																				2				
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26.5 (OL A) JUL 64  
USAFETAC  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

JAN  
MONTH

PAGE 2 1.55-14.0  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

728 JAVISON AAF/FT BELVOIR VA

69-70, 73-8

JAN  
MONTH

PAGE 1 157.7-17.1  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74 / 73									.2	.1								3	3		
72 / 71								.1	.2									3	3		
70 / 69								.1	.1									4	4		
68 / 67										.1	.1							4	4		
66 / 65																		1	1		
64 / 63			.2															4	4		
62 / 61		.2		.1					.1									5	5		
60 / 59		.2	.1			.3	.2											11	11	7	1
58 / 57		.4	.1		.2	.5	.1											15	15	8	4
56 / 55	.2	.4			.1													15	15	12	3
54 / 53		.1	.3	.1		.3	.5	.2										15	15	6	5
52 / 51		.1		.2	.8	.2	.3											15	15	8	2
50 / 49		.8	.3	.4	.6	.4												24	24	14	9
48 / 47		1.3	.3	1.1	1.3	.8	1.	.1										54	54	21	3
46 / 45		.5	.6	.9	.6	2.7	.7											56	56	22	1
44 / 43		2.1	1.4	1.1	1.8	1.3	.1											72	72	32	14
42 / 41		.8	.5	1.2	2.2	1.1												53	53	54	9
40 / 39	.3	.6	1.6	1.5	2.9	.6												71	71	48	25
38 / 37	.4	1.6	1.4	1.4	1.8	.4												66	66	37	24
36 / 35	.1	1.2	1.5	1.9	3.6	.5												89	89	124	39
34 / 33	.1	1.8	.9	2.5	3.6	.2												83	83	86	26
32 / 31	.1	1.6	1.4	4.2	2.7													93	93	74	53
30 / 29		.5	.5	3.1	1.1													50	50	58	48
28 / 27		.6	.9	3.5	.1													47	47	35	22
26 / 25		.3	.6	1.5														23	23	7	35
24 / 23		.2	.5	.8														14	14	71	37
22 / 21		.3	.4	.8														14	14	42	44
20 / 19		.1	.5	.1														8	8	15	49
18 / 17			.3															5	5	12	54
16 / 15			.2															2	2	12	55
14 / 13			.1															1	1	4	53
12 / 11			.3															3	3	2	36
10 / 9			.1															1	1	1	51
8 / 7																				4	38
Element (X)	Σ X <sup>2</sup>		Σ X		X		X		X		No. Obs.		Mean No. of Hours with Temperature							Total	
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																					
Wet Bulb																					
Dew Point																					

## PSYCHROMETRIC SUMMARY

YEARS

141  
MONTH

1571-1703  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OL A)

**USAFETAC**



## PSYCHROMETRIC SUMMARY

YEARS

1.33  
MONTH

1875-2000  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

73-75, 75-81

52  
MONTH

PAGE 1 2110-23.0  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

**USAFETAC**

## PSYCHROMETRIC SUMMARY

165  
MONTH

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
- / -3																															
-1 / -5																															
-1 / -7																															
-3 / -5																															
-3 / -13																															
-1 / -13																															
-1 / -7																															
-1 / -7																															
T.D.	6.2	12.9	36.9	19.0	4.7	.4	.1	.1	.3										924		924										
																		924		924											
Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub>	X̄	e <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature							Total																		
Rel. Hum.	4231.277	65.111	66.4	16.472	924	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																			
Dry Bulb	1226475	29413	31.8	9.825	924		50.9	.1				93																			
Wet Bulb	839913	26441	29.6	9.498	924		54.6					93																			
Dew Point	561825	19591	21.2	12.596	924	3.0	76.7					93																			

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

91228 DAVISON AAF/FT BELVOIR VA

62-70,73-81

YEARS

JAN  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
71/71																	7	7		
72/71																	7	7		
71/69																	7	7		
71/67																	5	5		
66/65																	8	8		
64/63																	26	26		
62/61																	26	26	7	7
61/59																	43	43	30	2
61/57																	59	59	27	25
51/55																	76	76	42	21
41/53																	66	66	58	3
31/51																	62	62	49	4
51/45																	93	93	47	44
41/47																	182	182	94	43
41/45																	253	253	121	47
41/43																	346	346	159	12
42/41																	321	321	243	146
41/39																	409	409	266	155
31/37																	501	501	347	192
21/35																	659	659	515	257
31/33																	635	635	612	243
21/31																	757	757	571	369
11/29																	548	548	734	409
11/27																	478	478	612	384
11/25																	361	361	602	459
11/23																	302	302	511	374
21/21																	311	311	415	406
11/19																	222	222	353	442
51/17																	175	175	293	444
11/15																	124	124	197	37
11/13																	99	99	144	357
11/11																	79	79	106	346
11/9																	47	47	67	355
11/7																	25	25	54	380
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature							
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

00028	CAVISON AAF/FI BELVOIR VA
STATION	STATION NAME

64-72, 73-8.

**YEARS**

144  
MONTH

PAGE 2

311  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
/	.1	.2																22	22	34	24.8													
/ -1	.1	.2																20	20	19	12.8													
/ -2	.1	.2																18	19	22	14.0													
/ -3	.1																	7	7	14	7.5													
- / -3	.																	4	4	4	8.9													
- / -5	.																	2	2		6.5													
- / -7																					4.5													
- / -9																					2.5													
- / -11																					.9													
- / -13																					1.2													
- / -15																					.													
- / -17																					.													
- / -19																					.													
- / -21																					2													
TOTAL	6.1	32.1	27.2	20.6	9.2	3.1	1.0	.4	.1	.0								739.0	739.0	739.0	739													

## PSYCHROMETRIC SUMMARY

1728	DAVISON AAF/FT BELVOIR VA
STATION	STATION NAME

64-70, 73-82

232

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

1980-82  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

STATION      STATION NAME

62-72,73-8

**YEARS**

FE3  
MONTH

PAGE 7

~~133-0207~~  
HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U-26.5 (01 A)

**USAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

4778 JAVISON AAF/FT BELVOIR VA

69-70, 71-80

FEB  
MONTH

PAGE 1 7331-05  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
56 / 50						.1												1	1			
54 / 63						.2												2	2			
52 / 59		.4																3	3			
50 / 57						.2												2	2	3	1	
50 / 55		.2		.1	.1	.4	.2											9	9	3	2	
47 / 53		.1	.2	.4	.1													7	7	3	2	
46 / 5		.1	.7															8	8		1	
45 / 47		.4	.6	.2	.1	.2												13	13	8		
44 / 47		.5		.1	.4													8	8	13	9	
43 / 45	.1	.5		.4	.2	.1	.1											17	17	16	7	
43 / 43	.4	.8	.1	.1	.2	.4												17	17	6	4	
42 / 4	.7	1.2	.9	1.2	.2	.5												40	40	10	2	
41 / 30	.4	.7	.5	.9	.8	.2												26	26	23	1	
39 / 31	.6	1.7	.5	.6	.5	.1												34	34	31	5	
38 / 31	.6	4.1	1.2	1.3	.4													63	63	40	29	
34 / 33	.1	2.1	2.7	1.2														47	47	56	27	
33 / 31	.4	4.9	2.8	1.9	.2													86	86	45	36	
32 / 22	.1	3.1	3.1	1.3														66	66	70	55	
30 / 27	.7	3.7	1.4	1.2														59	59	71	62	
29 / 25	.5	5.1	3.1	.6														77	77	82	61	
24 / 23	.1	4.1	2.8	.7														66	66	64	43	
22 / 21	.7	3.4	1.8															50	50	81	49	
21 / 19	.2	1.7	2.0															33	33	60	65	
21 / 17	.1	2.2	.2															28	28	22	67	
20 / 15		2.4	1.5															21	31	37	44	
19 / 13	.1	1.9	.6															22	22	26	59	
18 / 11	.2	.7	.4															11	11	30	43	
17 / 9	.1	.5																5	5	7	59	
15 / 7	.2	.1																3	3	8	59	
15 / 3		.2																2	2	3	18	
14 / 3		.5																4	4	3	24	
12 / 1		.6																5	5	6	15	
11 / -1																					15	
10 / -3																					10	
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) JUL 64

## PSYCHROMETRIC SUMMARY

**YEARS**

558  
MONTH

PAGE ? 0370-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-1/-5																					5			
-2/-7																					3			
-3/-9																					2			
-4/-11																					7			
-10/-15																					3			
TOTAL	5.7	47.6	27.0	12.2	3.7	2.5	.4												845	845				
																		345		845				
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	4305422	58537	62.3	17.199	845	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	837722	25110	29.7	10.415	845		54.5					84												
Wet Bulb	69.897	22731	26.9	9.700	845		51.7					84												
Dew Point	467548	17332	20.2	12.133	845	4.1	71.6					84												

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 63728 STATION NAME DAVISON AAF/FT BELVOIR VA YEARS 69-71, 75-83 FFR MONTH

PAGE 1 3401-108 (11)  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point			
65/ 65						.1												1	1					
64/ 63						.1												2	2					
63/ 61																		1	1					
62/ 59		.2	.1															3	3					
61/ 57								.1										2	2	3				
60/ 55	.1	.4				.2												9	9	7	5			
59/ 53		.1		.4	.1													5	5	3	3			
58/ 51	.1			.1	.2													4	4	2	3			
57/ 49		.8	.1	.1		.1												10	10	3	3			
56/ 47		.2		.5	.4													9	9	1	4			
55/ 45		.1	.1	.1														3	3	7	6			
54/ 43		1.3	.1	.2	.5	.1												19	19	8	7			
53/ 41	.4	1.2	.4	.6		.5												25	25	2	3			
52/ 39	.5	1.2	.9	.6	.5	.1												37	37	23	17			
51/ 37	.7	2.2	1.3	.7	.6	.4												50	50	25	14			
50/ 35	1.5	2.8	.9	1.4	.7													61	61	47	26			
49/ 33	.7	2.4	2.6	.5														50	50	46	24			
48/ 31	.6	5.1	2.6	1.1	.4													81	91	56	28			
47/ 29	.1	3.4	2.2	1.9														65	65	90	55			
46/ 27	.4	3.3	2.1	1.4														62	60	55	53			
45/ 25	.5	4.6	3.2	.6														78	79	86	52			
44/ 23	.6	3.7	3.1	.2														64	64	76	44			
43/ 21	.2	2.5	2.1	.1														41	41	58	53			
42/ 19	.1	2.6	3.1															52	52	64	61			
41/ 17	.1	.9	1.2															19	19	30	48			
40/ 15	.2	2.2	.9															29	29	36	54			
39/ 13	.1	1.4	.3															21	21	21	39			
38/ 11	.4	1.3	.2															16	16	28	42			
37/ 9	.4	.9	.4															14	14	19	51			
36/ 7		.7	.1															7	7	7	33			
35/ 5	.1	.1																2	2	10	24			
34/ 3		.4																3	3	1	27			
33/ 1																				2	31			
32/ -1	.2	.1																3	3	2	0			
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

YEARS

FFB  
MONTH

1361-70-5  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

FEB  
MONTH

PAGE 1

190-1103  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

FER  
MONTH

3906-1100  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

FEB  
MONTH

PAGE 2 1255-1400  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM	FORM
0-26-5 (OLA)	0-26-5 (OLA)

## PSYCHROMETRIC SUMMARY

**YEARS**

FEB  
MONTH

PAGE 1

1500-1700  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

552  
MONTH

~~1500-1700~~  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

15728 JAVISON AAF/FT BELVOIR VA

69-70, 73-80

YEARS

FEB  
MONTH

PAGE 1

1810-291.6  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
7 / 7.										.1								1	1	
7 / 69							.1	.1	.1	.1		.1						5	5	
54 / 67							.1	.1	.1		.1							5	5	
56 / 65							.1				.1							5	5	
54 / 60			.2	.2	.4	.4	.5	.2										14	14	
54 / 60		.2	.2	.1	.1	.1	.5	.4	.1									15	15	4
54 / 59		.1	.2		.1	.2	.2	.8	.2									15	15	4
52 / 57		.4	.1	.1	.1	.1	.1	.6										13	13	5
50 / 55		.1		.1	.1	.1	.2	.4										8	8	11
54 / 53			.1	.4	.1	.1	.6		.1									12	12	9
52 / 51			.1	.2	.2	.5	.7											15	15	9
50 / 47			.1	.1	.4	.6	.4											13	13	11
46 / 47	.1	.8	.1	.2	.4	1.1	.1	.1										29	29	20
44 / 45		1.2	.6	.1	1.3	1.1	.4											39	39	26
44 / 43		1.2	.7	.6	1.9	1.2	.1											48	48	23
42 / 41	.1	.6	1.2	1.8	1.8	1.1												55	55	34
40 / 39	.5	.8	.9	2.5	2.4	.4												63	63	34
36 / 37	.9	.2	1.5	1.7	1.8	.4												55	55	51
30 / 35	.5	.9	1.3	2.8	1.5													60	60	72
34 / 33	.5	1.8	2.2	2.8	1.2													70	70	69
32 / 31		2.1	2.2	4.1	1.5													85	85	64
30 / 29		1.7	2.2	5.1	.1													77	77	81
28 / 27		1.3	.9	2.5	.2													42	42	72
26 / 25		.5	2.1	1.9														37	37	73
24 / 23		.5	1.1	.7														19	19	74
22 / 21	.2	.7	.7	.5														18	18	42
20 / 19	.1	.5	.9	.4														16	16	23
18 / 17			.2	.1														3	3	17
16 / 15				.2														2	2	9
14 / 13		.1	.4															4	4	6
12 / 11	.1	.1	.1															3	3	3
10 / 9																				4
8 / 7																				1
6 / 5																				4
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature						Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISIT PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

FF2  
MONTH

~~1353-205~~  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

## PSYCHROMETRIC SUMMARY

67-75, 73-37

**YEARS**

FEB  
MONTH

PAGE 3

21.75 - 23.12  
HOURS 11.5.12

[illegible]



## PSYCHROMETRIC SUMMARY

62-7, 73-6

**YEARS**

353  
MONTH

PAGE : 201-231  
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 111-1-1

## PSYCHROMETRIC SUMMARY

FEA  
MONTH

ALL

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 44728 JAVISON AAF/FT BELVOIR VA

69-70, 73-74

YEARS

MAR  
MONTH

PAGE 1 0000-22.00  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
74 / 73								.1										2	2						
74 / 71						.1	.1	.2										7	7						
7 / 69					.1	.2	.2											6	6						
63 / 57				.1	.1	.4	.2											9	9						
66 / 65		.1	.1			.1												3	3	2					
64 / 63		.2	.3				.1											7	7	5					
62 / 61		.1	.2	.1			.1											5	5	7	6				
61 / 59		.6	.5	.1	.1	.2	.1											17	17	11	6				
61 / 57		.3	.8	.4	.3	.3	.3											22	22	19	9				
61 / 55		.1	.3	.5	.3	.5	.1	.2										29	29	9	1				
64 / 53		.3	.4	.6	1.5	.8	.1	.2										35	35	17	5				
61 / 51		1.3	1.4	.5	.5	.4												39	39	19	24				
5 / 49	.2	1.2	.2	.9	1.	.4												36	36	26	29				
44 / 47		2.1	.5	1.4	1.5	.5												57	57	37	17				
45 / 45		2.1	3.2	1.5	1.4	.5												71	71	53	43				
44 / 43		1.8	1.5	1.6	1.4	.5												64	64	47	23				
42 / 41	.3	2.2	1.7	1.5	1.4	.2												67	67	76	23				
4 / 39		1.4	1.5	1.7	1.													52	52	52	41				
39 / 37		3.3	1.7	2.5	1.1													80	80	66	47				
40 / 35	.6	2.8	1.7	2.2	1.2													79	79	83	55				
39 / 33	.2	1.8	2.6	.8	.9													58	58	91	63				
34 / 31	.1	2.4	1.7	1.3	.7													64	64	67	67				
3 / 29		1.9	2.	1.2														48	48	79	68				
27 / 27		.5	1.2	.6														23	23	47	59				
26 / 25		.9	1.1	.3														20	20	48	59				
20 / 22		.2	.4	.9														13	13	31	47				
22 / 21		.2	.3	.1														6	6	15	4				
1 / 19		.8		.3														10	10	15	54				
10 / 17		.1																1	1	8	28				
15 / 15																					25				
14 / 13																				2	23				
12 / 11																					23				
1 / 9																					23				
2 / 7																					6				
Element (X)	ΣX <sup>2</sup>		ΣX		X̄		σ <sub>x</sub> <sup>2</sup>		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

## PSYCHROMETRIC SUMMARY

YEARS

MAC  
MONTA

PAGE 7

~~7-10-62-5~~  
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
5 / 5																						
4 / 4																						
3 / 3																						
2 / -																						
-1 / -5																						
-2 / -7																						
-3 / -7																						
TOTAL	1.5	3'	.2	4.5	21.1	14.3	5.5	1.6	.F									93°	93°	93°		
Element (X)	$\Sigma X^2$		$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature								Total							
Rel. Hum.	4325915		61895	66.6	7.294	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	1708996		38684	41.6	10.422	930		18.5	2.4	.2			93									
Wet Bulb	1376.13		34549	37.3	9.683	930		31.2					97									
Dew Point	1701919		28131	30.5	12.225	930	.4	54.1					27									

USAFETAC FORM 0-26-5 (OLA)  
FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

24728 DAVISON AAF/FT BELVOIR VA 52-71.73-6

YEARS

MAR  
MONTH

PAGE 1

0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
7 / 59				.3		.1	.2											6	6		
58 / 67			.1	.1	.2	.1	.1											6	6		
56 / 65		.1	.3	.1	.5	.2												13	13		
54 / 63			.3	.2														5	5	6	1
52 / 61		.2	.2				.1											5	5	7	3
5 / 59	.1	.5																6	6	9	11
50 / 57	.2	.2	.6	.1	.3													13	13	17	6
50 / 55		.9	.4	1.1	.3	.4												29	29	6	8
47 / 53	.1	.9	.9	.4	.3	1.2		.1										40	40	17	7
2 / 51		.5	1.4	.4	.5	.1	.2											30	30	13	21
5 / 49	.4	1.4	.5	.8	.3	.1												35	35	31	.5
46 / 47	.1	1.6	.3	1.1	1.2													40	40	44	25
46 / 45		2.7	1.9	2.2	.9													71	71	37	37
44 / 43		1.4	1.2	1.6	1.1	.2												51	51	47	27
42 / 41	.4	2.1	1.4	1.7	1.1	.6												65	65	58	29
4 / 39	.4	1.9	1.7	1.1	1.1													57	57	68	32
35 / 37	.2	3.7	2.4	2.2	.8													85	85	51	31
34 / 35	.5	2.8	1.1	2.1	.4													63	63	85	41
34 / 33	.1	2.9	1.9	1.5	.5													66	66	75	63
31 / 31	.4	3.4	2.1	1.7	.5													77	77	63	73
2 / 29	.4	3.4	.8	.6	.4													53	53	84	71
21 / 27	.1	1.7	1.4	.5														35	35	69	56
25 / 25	.1	1.4	1.4															27	27	42	46
24 / 23	.1	1.1	.6															16	16	41	44
22 / 21	.1	.8	.3	.2														13	13	24	51
2 / 19		1.3	.4															16	16	15	46
18 / 17		.1	.2	.1														4	4	12	35
16 / 15		.1																1	1	5	21
14 / 13		.2																2	2	3	33
11 / 11																				2	19
9 / 9																					22
7 / 7																					7
6 / 6																					6
4 / 4																					1
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

## PSYCHROMETRIC SUMMARY

**YEARS**

MAS  
MONTH

[illegible]





## PSYCHROMETRIC SUMMARY

**YEARS**

420  
MONTH

PAGE 2

7.6715-08.07  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

01728	DAVISON AAF/FT BELVOIR VA
STATION	STATION NAME

67-75, 73-6:

**YEARS**

MAR  
MONTH

PAGE 1

721-110  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
70 / 81																		1	1					
72 / 77																		2	2					
70 / 75						.1	.1											3	3					
74 / 74						.1	.2			.1								6	6					
71 / 71						.1	.3			.1	.1							6	6					
71 / 59						.3	.1		.1									8	8	1				
62 / 67			.2		.5	.3	.1											12	12	3				
66 / 65		.2		.1	.5	.3	.3											16	16	2				
64 / 63		.1	.1	.6	.7	.3	.1		.3	.1								18	18	8	4			
61 / 61		.2	.2	.6	.7	.3	.2		.1									21	21	6	5			
61 / 59			.5	.4	.2	.6	.4		.2	.1								24	24	16	5			
58 / 57		.2	.4	.5	.5	.2	.5		.3	.1								33	33	12	6			
55 / 55	.1	.3	1.2	1.0	.3	1.1	.5		.4	.2								48	48	28	12			
54 / 53	.2	1.2	1.1	.5	.2	1.7	.5		.1									63	63	27	18			
52 / 51		1.4	1.2	1.1	1.5	1.3	.5		.3	.1								69	69	39	24			
51 / 49		1.3	.6	.6	1.4	2.6	1.1		.1									75	75	45	35			
49 / 47	.1	1.7	.3	1.1	2.2	1.8	.3											69	69	5	29			
48 / 45		1.3	1.1	1.3	2.4	1.3	.3											71	71	55	35			
44 / 43		1.4	1.2	1.3	2.2	1.8	.7											74	74	63	35			
42 / 41	.5	1.4	.3	1.5	2.5	1.7												68	68	92	29			
41 / 39		1.7	1.3	1.5	1.1	.4												56	56	83	44			
39 / 37	.3	.6	.6	.8	1.2	.5												45	45	82	42			
38 / 35		1.3	.5	1.1	1.5													43	43	78	56			
37 / 33		1.2	.4	1.4														33	33	66	43			
31 / 31		1.1	.3	1.5	1.2													38	38	39	62			
29 / 28		.4	.2	.2	.1													9	9	45	59			
25 / 27		.1	.1	.4														6	6	28	5			
26 / 25			.2	.3														5	5	28	58			
24 / 23			.1															1	1	14	38			
22 / 21			.1															1	1	5	4			
19 / 19			.4	.1														5	5	3	39			
17 / 17			.3																					

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (01 A)

**USAFETAC**



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

50728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70,73-8

YEARS

MAR  
MONTH

PAGE 1

1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point	
85										.1								1	1			
84										.1								3	3			
83										.3								5	5			
82										.2			.1					4	4			
81										.1		.1	.2					9	9			
80										.1		.3						6	6			
79										.2		.1						9	9			
78										.2		.1						15	5			
77										.1		.1						26	26			
76										.1		.1						26	26			
75										.1		.1						29	29	1		
74										.1		.2						24	24	1		
73										.1		.1						49	49	9	4	
72										.1		.1						61	61	24	5	
71										.1		.1						53	53	26	9	
70										.1		.1						60	60	32	8	
69										.1		.1						90	91	49	21	
68										.1		.1						54	54	47	22	
67										.1		.1						72	72	61	29	
66										.1		.1						42	42	53	33	
65										.1		.1						53	53	73	34	
64										.1		.1						44	44	59	25	
63										.1		.1						41	41	95	28	
62										.1		.1						45	45	6	48	
61										.1		.1						27	27	74	35	
60										.1		.1						30	30	58	51	
59										.1		.1						26	26	42	41	
58										.1		.1						12	12	47	52	
57										.1		.1						8	8	25	61	
56										.1		.1								24	56	
55										.1		.1						1	1	11	63	
54										.1		.1								2	42	
53										.1		.1						2	2		45	
52										.1		.1						3	3		45	
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

4.33  
MONTH

PAGE 2

12-24  
HOURS (L, S, T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
15 / 17																					2	22
15 / 15																					2	15
4 / 13																						2
15 / 11																						23
1 / 5																						13
2 / 7																						13
0 / 5																						7
4 / 3																						3
1 / 5																						5
1 / 3																						3
TOTAL		12.2	9.9	6.9	15.5	13.9	13.7	11.5	6.9	3.3	1.0	.4						93.7	93.7	93	93	

Element (X)	ΣX <sup>2</sup>	ΣX	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2648501	45447	45.9	21.734	23	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2652725	48517	52.3	11.333	93.1		2.6	17.4	3.7	1.3		93
Wet Bulb	1432533	41353	43.4	9.430	93.7		12.1	.6				93
Dew Point	1165222	29250	31.5	13.328	93.0		51.8					93



## PSYCHROMETRIC SUMMARY

4.5  
MONTH

5 - 17  
HOURS (L. S. T.)

USAFETAC FORM 0.26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION DAVIDSON AAF/FT BELVOIR VA

22-7, 73-3

YEARS

MONTH

PAGE 1

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL																						
	3	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb		Dew Point																						
70																				3	3																							
71																				3	3																							
72																				3	3																							
73																				7	7																							
74																				7	7																							
75																				23	3																							
76																				28	28	33	7																					
77																				52	52	77	5																					
78																				62	52	23	19																					
79																				63	53	7	24																					
80																				77	73	1	24																					
81																				66	66	55	31																					
82																				66	66	58	31																					
83																				58	58	57	35																					
84																				59	59	53	34																					
85																				59	59	97	29																					
86																				46	46	74	34																					
87																				48	48	74	36																					
88																				37	37	7	51																					
89																				35	35	51	38																					
90																				24	24	1	62																					
91																				11	11	34	65																					
92																				4	4	24	58																					
93																				5	5	22	52																					
94																				7	7	1	43																					
95																						5	56																					
96																																												
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ																					
Rel. Hum.																																												
Dry Bulb																																												
Wet Bulb																																												
Dew Point																																												
Mean No. of Hours with Temperature																				≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																		

USAFETAC FORM 0-26-5 (OLA) JUL 64

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

**YEARS**

MAR  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
JUL 64  
0 26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

YEARS

4 A F  
MONTH

21-0-23:1  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

YEARS

145  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

APP

**MONTH**

PAGE 1

700J-0210  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

PAGE 7 3040-620.1  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

97728 LAVISON AAF/FT BELVOIR VA

69-77,73-87

YEARS

APR  
MONTH

PAGE 1 11365-05,0  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point	
74 / 73																			2	2		
72 / 71				.6	.2		.3												12	12		
70 / 69				.2				.1	.1			.1	.1						4	4		
68 / 67			.1	.2	.1	.3													8	8		
66 / 65		.6	.2		.7	.4													14	14	13	
64 / 63		.2	.2	.3	.3	.1	.1	.2											14	14	8	4
62 / 61		1.3	.1	.2	.2			.1											18	18	9	13
60 / 59		2.7	.6	.3	.3														40	40	21	3
58 / 57	.1	2.3	.7	1.2	.3	.1	.1												48	48	36	19
56 / 55	.2	1.9	.3	.6	.4	.7		.1											40	40	44	35
54 / 53		3.2	1.4	.9	.7	.6	.1												62	62	35	35
52 / 51	.2	2.1	2.3	1.2	.9	.4													65	65	50	39
50 / 49	.1	3.7	1.2	1.1	1.2	.8													68	68	59	36
48 / 47		2.9	1.3	1.7	1.7	.3	.1												72	72	66	47
46 / 45		2.8	1.8	1.4	1.9	.3													74	74	54	48
44 / 43		3.2	3.0	1.3	.3														71	71	35	45
42 / 41		2.0	2.7	1.1	.7	.1													59	59	33	58
40 / 39	.3	2.6	1.4	1.2	.4														54	54	92	41
38 / 37		2.2	.8	1.7	.4														46	46	63	51
36 / 35		1.9	.6	1.1	.2														34	34	46	66
34 / 33		2.8	1.4	.7															44	44	45	68
32 / 31	.2	1.7	.4	.1	.3														25	25	52	65
30 / 29	.1	1.2	.7	.1															17	17	38	50
28 / 27		.4	.1																5	5	15	45
26 / 25	.3																		3	3	17	25
24 / 23																						14
22 / 21		.2																	2	2		27
20 / 19		.1																	1	1	3	22
18 / 17																						14
16 / 15																						12
14 / 13																						1
12 / 11																						2
10 / 9																						2
8 / 7																						1
Element (X)	Σx'		Σx		Σ		Σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total					
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26.5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

APR  
MONTH

0300-0500  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

APR  
MONTH

PAGE 1 1600-1800  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

APR  
MONTH

PAGE ?

0600-1900  
HOURS (L. S. T.)

[illegible]

0.26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**JSAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 1725 JAVISON AAF/FT BELVOIR VA

69-70, 73-8

YEARS

APR  
MONTH

PAGE 1 1980-11-9  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
84																		2	2						
83											.1	.2						4	4						
82										.2	.1							3	3						
81										.2	.1							4	4						
80						.1	.1		.1	.3	.1							7	7						
79						.2	.3	.3	.4	.3								15	15						
78							.3	.2	.3									8	8						
77				.1	.4	.2	.4	.3	.2		.1							17	17						
76				.2	.1	.6	.7	.4	.1		.3							22	22						
75			.2	.2	.2	.4	.3	.6	.2	.1								21	21						
74				.3	.4	.6	.7	.6	.4	.6	.2							34	34	7					
73			.3	.4	.6	.3	1.2	.8	1.2	.6	.2							51	51	13					
72		.1	.7	.6	.3	.3	1.1	1.	1.7	.3								49	49	21	4				
71		.7	.9	.4		1.	1.2	.7	1.1	.3	.1							62	62	32	7				
70		.9	.4			1.3	1.2	1.4	.5									68	68	45	12				
69		1.	.3	.6	.6	1.2	1.6	1.6	.3									64	64	43	24				
68		.4	.9	.4	1.0	1.7	1.	.9	.1									62	62	32	37				
67		1.3	.4	.7	1.1	2.1	1.7	.6	.1									71	71	45	33				
66	.1	1.4	.4	.9	1.4	2.7	1.1	.6										74	74	59	36				
65		1.6	1.3	1.1	1.8	1.6	1.7	.3										84	84	77	33				
64	.2	.7	.9	.6	1.2	.6	1.1											44	44	89	38				
63	.2	.7	.4	.7	1.1	1.6	.8											49	49	91	41				
62	.1	.9		.2	.6	2.1	.1											36	36	89	56				
61	.2	.2	.6	.9	.1	.9												25	25	80	47				
60		.2			.5	.3												8	8	47	62				
59			.1	.1	.6	.3												10	10	43	5				
58					.4													5	5	38	2				
57					.1													1	1	25	47				
56																				9	54				
55																				7	65				
54																				5	43				
53																				1	15				
52																					24				
51																					17				
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		s <sup>2</sup>		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OLA) JUL 64

## PSYCHROMETRIC SUMMARY

**YEARS**

APR  
MONTH

PAGE 2      29-1100  
HOURS      (S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

400  
MONTH

1203-142  
HOURS (L. S. T.)

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

1200-1400  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
JUL 64  
0.26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

STATION 18 JAVISON AFB/FT BELVOIR VA

62-72,73-3

YEARS

MONTH

PAGE 2

15 JUL - 17 JUL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1 / 25																					1
2 / 23																					2
3 / 21																					3
4 / 19																					4
5 / 17																					5
6 / 15																					6
7 / 13																					7
8 / 11																					8
9 / 9																					9
10 / 7																					10
TOTAL	6.2	3.2	5.2	6.4	8.4	12.3	14.7	14.4	11.6	7.4	4.8	2.3	1.0	1.0				9.0	9.0	9.0	9.0
Element (X)	Σ X'	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X
Rel. Hum.	126688	37454	41.6	20.2	33	900	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	3958157	58887	65.4	10.8	16	900			41.4	23.8	9.8	3	90								
Wet Bulb	2529213	47151	52.4	8.1	99	900			2	3.6			90								
Dew Point	1498455	35309	38.9	12.3	22	900			29.4	1			90								

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

55788 LAVISON AAF/FT BELVOIR VA

69-70, 73-81

YEARS

APR  
MONTH

PAGE 1

1640-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
80/87																		2	2					
78/85																		2	2					
76/83																		3	3					
74/81																		8	8					
72/79																		12	12					
70/77																		16	16					
68/75																		13	13					
66/73																		21	21					
64/71																		28	28					
62/69																		37	37					
60/67																		45	45					
58/65																		58	58	18				
56/63																		51	51	23				
54/61																		56	56	36	7			
52/59																		60	60	48	11			
50/57																		75	75	41	32			
48/55																		79	79	51	45			
46/53																		66	66	58	31			
44/51																		57	57	53	27			
42/49																		51	51	73	49			
40/47																		68	68	92	54			
38/45																		29	29	80	33			
36/43																		33	33	91	26			
34/41																		15	15	71	41			
32/39																		19	19	66	42			
30/37																		2	2	34	48			
28/35																		5	5	23	16			
26/33																		1	1	14	7			
24/31																								
22/29																								
20/27																								
18/25																								
16/23																								
14/21																								
12/19																								
10/17																								
8/15																								
6/13																								
4/11																								
2/9																								
0/7																								
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
27 / 21																					22			
26 / 20																					21			
25 / 19																					20			
24 / 18																					19			
23 / 17																					18			
22 / 16																					17			
21 / 15																					16			
20 / 14																					15			
19 / 13																					14			
18 / 12																					13			
17 / 11																					12			
16 / 10																					11			
15 / 9																					10			
14 / 8																					9			
TOTAL	6.2	6.2	6.3	10.2	12.8	17.9	14.1	11.5	8.3	5.9	2.4	1.0	.7	.2	.1			9.0	9.0	9.0	9.0			

0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 64

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAG

# PSYCHROMETRIC SUMMARY

STATION 6973 DAVIDSON AAF/FT BELVOIR VA

69-73-80

YEARS

APR  
MONTH

PAGE 1 2105-2340  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	U	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
75 / 75												.1						1	1					
74 / 77							.2	.2	.1			.2						6	5					
74 / 75						.8	.1	.2	.1									11	11					
74 / 73						.7	.2	.1										7	7					
73 / 71				.4	.4	.1	.7	.2	.1	.1								17	17					
73 / 69			.1	.4	.5	.2		.4	.1	.1								18	18					
69 / 67			.3	1.0	.8	.7	.7	.5	.1									39	39					
66 / 65			.3	.6	.9	.2	.2	.2	.2									25	25	16				
64 / 63		.3	1.6	.7	.4	.6	.2	.6	.3									44	44	20	2			
62 / 61		.6	.6	.2	.5	.4	.8	.2	.1									41	41	33	25			
59 / 59	.1	1.0	.6	1.2	1.1	.7	.4	.9		.1								55	55	45	26			
57 / 57	.2	1.2	.8	1.3	1.1	.4	.3	.1										53	53	46	32			
55 / 55	.1	.9	.8	2.7	1.6	.8	.6		.1									67	67	43	35			
53 / 53	.1	1.2	1.4	1.6	1.3	2.1	.2	.4										81	61	42	25			
51 / 51		2.1	1.1	1.6	1.4	1.7	.4											74	74	66	51			
50 / 49		1.1	.9	2.3	2.4	.3	.3	.1										73	73	44	37			
47 / 47		1.1	1.6	2.0	2.2	.9	.2											72	72	52	46			
46 / 45		1.1	1.0	1.6	1.1	.6	.1											59	59	76	47			
44 / 42		1.3	1.7	1.6	.8	.6												53	53	37	36			
42 / 41	.1	1.1	.9	.4	.4	.6												35	35	90	44			
39 / 37	.1	.6	1.3	.3	.4	.4												29	29	64	51			
38 / 37		.2	.8	.7	.3	.1												19	19	48	66			
35 / 35		.7	.2	.2	.7													11	11	31	75			
34 / 73		.2	.7	.1														9	9	22	43			
32 / 31			.1															1	1	19	52			
30 / 30																				17	51			
27 / 27																					2			
26 / 25																					2			
23 / 23																					11			
22 / 21																					2			
19 / 17																					10			
17 / 17																					8			
15 / 15																					12			
14 / 13																					7			
Element (X)	ΣX <sup>2</sup>		ΣX		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

PAGE 2

2350-2360  
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1 / 1 / /																					
TOTAL	.914	.16	.32	.21	.31	.29	5.8	4.4	1.4	.3		.3						9.5	9.7	9.2	9..
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature							Total								
Ref. Hum.	37935.0	56144	62.4	17.1296	900	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb	2655299	48449	53.8	9.337	900		.1	9.9	2.5			93									
Wet Bulb	2768647	42444	47.2	8.632	900		3.8					97									
Dew Point	1551371	35895	39.9	11.527	900		24.3					97									



## PSYCHROMETRIC SUMMARY

ALL  
HOURS (L. S. T.)







GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 077.8 DAVISON AAF/FT BELVOIR VA

65-77,73-8

YEARS

MAY  
MONTH

PAGE

1620-08  
HOURS (L. S. T.)

Temp (°F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
7 / 57																			1	1					
7 / 70																			1	1					
7 / 77				.2	.2	.1													5	5					
7 / 77			.6	.1	.2														10	10					
7 / 77			.3	.3	.1	.1													12	12					
7 / 77		.5	1.8	.5	.2	.5	.1												36	36		1			
7 / 80		.9	3.	1.5	.8	.4	.4												65	65	18	11			
7 / 81	.1	2.3	2.4	1.3	1.1	.2	.2												70	70	42	22			
7 / 81	.3	4.4	1.9	1.3	.2	.4	.2												87	87	63	40			
7 / 82	.2	3.3	2.	2.2	.8	1.0	.1	.1											94	94	88	79			
7 / 82	.4	2.9	2.6	1.7	.2	.8	.1	.1	.1										89	89	75	59			
7 / 89	.5	2.7	1.2	1.9	.8	.3	.4												91	91	84	79			
7 / 87	.1	3.3	1.9	.0	.0	.6	.4												72	72	81	53			
7 / 85	.4	2.8	1.3	1.6	.1	.5													64	64	78	59			
7 / 85	.2	3.2	1.7	.6	1.	.4	.1												58	68	84	80			
7 / 81	.1	2.4	1.4	.5	.4	.4													53	53	64	74			
7 / 46		1.7	.6	.3	.8	.5	.1												37	37	56	53			
7 / 47		2.0	.5	.5	.9	.1													37	37	51	73			
7 / 45		1.3		.2	.														17	17	45	47			
7 / 42	.1	.6	.2	.1	.1														11	11	22	37			
7 / 4		.2	.1																3	3	26	32			
7 / 35		.5	.3	.1															9	9	11	19			
7 / 37		.6	.1																7	7	12	23			
7 / 75																									27
7 / 33		.1																	1	1	2	2			
7 / 31																									15
7 / 20																									0
7 / 21																									5
7 / 25																									3
7 / 23																									2
7 / 10																									1
TOTAL	3.335	9.25	3.5	7.1	9.9	6.8	2.3	.8	.1										930	930		930			
Element (X)	Σx <sup>2</sup>	Σx	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5796545	72793	77.5	14.961	937														≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	334.557	55661	59.9	7.984	737															2.07	2.9	.2			97
Wet Bulb	243767	51522	55.7	7.256	737																7.1	.1			77
Dew Point	2635816	48686	52.4	9.682	937															3.5	3.4				73

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A) JUL 64

USAFETAC



## PSYCHROMETRIC SUMMARY

YEARS

MAY  
MONTH

PAGE 2

0940-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
1/27																								
1/28																								
1/29																								
1/30																								
1/31																								
2/1																								
2/2																								
2/3																								
2/4																								
2/5																								
2/6																								
2/7																								
2/8																								
2/9																								
2/10																								
2/11																								
2/12																								
2/13																								
2/14																								
2/15																								
2/16																								
2/17																								
2/18																								
2/19																								
2/20																								
2/21																								
2/22																								
2/23																								
2/24																								
2/25																								
2/26																								
2/27																								
2/28																								
2/29						</																		



## PSYCHROMETRIC SUMMARY

YEARS

MAY  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

JSAFETAC  
FCS, USA  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

- 1/3	DAVISON AAF/FT BELVOIR VA
STATION	STATION NAME

84-71,73-8

MAY  
MONTH

PAGE : 1500-1700  
HOURS (L. S. T.)



## PSYCHROMETRIC SUMMARY

49-70, 73-8

YEARS

4AY  
MONTH

PAGE 1

18"-22"  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (01 A)

**USAFETAC**

## PSYCHROMETRIC SUMMARY

YEARS

54 Y  
MONTH

PAGE 3

1800-2000  
HOURS (L. S. T.)

[illegible]

FORM  
JUL 64

FORM

USAFETAC

## PSYCHROMETRIC SUMMARY

YEARS

MAY  
MONTH

PAGE ' 2101-230  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY |

YEARS

MAY  
MONTH

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
55/ 97																		3	3					
56/ 95																		2	2					
54/ 93																		4	4					
51/ 9																		9	9					
51/ 84																		36	36					
58/ 87																		49	49					
56/ 85																		78	78					
54/ 82																		143	143					
51/ 81																		171	171					
51/ 79																		244	244					
75/ 77																		273	273	15				
51/ 75																		306	306	38	8			
54/ 72																		361	361	92	19			
72/ 71																		477	477	224	49			
51/ 69																		574	574	372	125			
55/ 67																		550	550	460	267			
56/ 65																		567	567	605	356			
54/ 63																		562	562	703	494			
51/ 61																		502	502	665	516			
51/ 59																		467	467	634	541			
51/ 57																		429	429	674	508			
55/ 55																		391	391	615	599			
54/ 53																		311	311	634	637			
51/ 51																		256	256	396	572			
51/ 49																		191	191	379	461			
51/ 47																		181	181	292	396			
51/ 45																		108	108	255	354			
54/ 43																		53	53	156	315			
52/ 41																		55	55	138	251			
51/ 39																		39	39	79	224			
71/ 37																		26	26	46	188			
76/ 35																		9	9	33	163			
51/ 33																		7	7	13	119			
51/ 31																		1	1	5	126			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A)  
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## PSYCHROMETRIC SUMMARY

**YEARS**

MAY  
MONTH

PAGE ?

ALL  
HOURS (L, S, T.)

USAFETAC FORM 0-26 5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

304  
MONTH

PAGE 1 100-102  
HOURS (L. S. T.)

[illegible]

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0-26-5 (OLA)

USAFETAC

## PSYCHROMETRIC SUMMARY

YEARS

JUN  
MONTH

PAGE 1

135-115  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

JUN  
MONTH

2600-1840  
HOURS (L. S. T.)

[illegible]

0-26-5 (OLA)

USAFETAC



## PSYCHROMETRIC SUMMARY

**YEARS**

JUN  
MONTH

PAGE 1

1923-11  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

YEARS

33N  
MONTH

PAGE : 129-140  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA)  
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## PSYCHROMETRIC SUMMARY

**YEARS**

JUN  
MONTH

PAGE 7

125-140  
HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**0-26.5 (OLA)**

FORM 11-A

**USAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 1229 LAVISON AFB/FT BELVOIR VA

68-70, 73-75

YEARS

JUN  
MONTH

PAGE 1

1500-17.1  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
1/ 99																		1	1						
2/ 97																		3	3						
3/ 95																		6	6						
4/ 93																		10	10						
5/ 91																		30	30						
6/ 89																		72	72						
7/ 87																		81	81						
8/ 85																		95	95						
9/ 83																		89	89						
10/ 81																		82	82	7	1				
11/ 79																		86	86	19	2				
12/ 77																		87	87	38	3				
13/ 75																		75	75	75	12				
14/ 73																		50	50	126	3				
15/ 71																		44	44	145	67				
16/ 69																		31	31	175	97				
17/ 67																		17	17	76	114				
18/ 65																		13	13	85	87				
19/ 63																		9	9	71	66				
20/ 61																		8	8	58	85				
21/ 59																		10	10	49	64				
22/ 57																		1	1	22	49				
23/ 55																				19	52				
24/ 53																				2	43				
25/ 51																				3	26				
26/ 49																					37				
27/ 47																					8				
28/ 45																					15				
29/ 43																					1				
30/ 41																					3				
31/ 39																					1				
32/ 37																					4				
33/ 35																					2				
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		S <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature												Total		
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F				
Dry Bulb																									
Wet Bulb																									
Dew Point																									

## PSYCHROMETRIC SUMMARY

YEARS

JUN  
MONTH

PAGE 7 15.35-17.0  
HOURS (L. S. T.)

USAFETAC  
FORM  
JUL 64  
0.26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 4778 DAVIDSON AAF/FT BELVOIR VA

68-73, 73-79

YEARS

JUN  
MONTH

PAGE 1 16-3-2007  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point								
6/ 95																							1					
4/ 97																							2					
2/ 99																							2					
1/ 99																							9					
2/ 97																							20		20			
16/ 95																							45		45			
4/ 83																							51		51			
1/ 5																							71		71			
3/ 79																							87		87			
75/ 77																							93		93			
5/ 75																							115		115			
75/ 73																							117		117			
1/ 75																							87		87			
1/ 67																							75		75			
6/ 67																							42		42			
46/ 65																							39		39			
4/ 63																							21		21			
2/ 61																							19		19			
1/ 59																							14		14			
2/ 57																							4		4			
56/ 55																							2		2			
54/ 53																												
51/ 51																												
5/ 49																												
41/ 47																												
40/ 45																												
44/ 43																												
42/ 41																												
4/ 39																												
3/ 37																												
1/ 35																												
TOTAL	2	7	3	16	9	17	9	16	11	15	9	12	7	8	4	4	1	6	3					899	899	899		
Element (X)	Σx <sup>2</sup>		Σx		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	4257093		63351		67.1		15.165		899		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total					
Dry Bulb	5122344		67586		75.2		6.422		899						67.1		59.7		24.5		.3		93					
Wet Bulb	4126333		6670		67.5		5.47		899						54.8		16.3											
Dew Point	3676656		56518		62.9		7.719		899						34.0		5.3											

USAFETAC FORM 0-26-5 (OLA) JUL 64

## PSYCHROMETRIC SUMMARY

68-72, 73-79

YEARS

21  
MONTH

PAGE

71 - 73.5  
HOURS (L. S. T.)

[illegible]

0-26-5 (OLA)

USAFETAC FORM 0-26-5 (01 A)

## PSYCHROMETRIC SUMMARY

YEARS

JUN  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

JUL  
MONTH

7096-2740  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

12715	DAVISON AAF/FT BELVOIR VA
STATION	STATION NAME

60-70, 73-77

9143

500  
MONTH

PAGE 1

0330-050  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
6 / 79			.2	.3														5	5				
75 / 77			.8	1.3	.9													27	27				
75 / 75	.1	1.4	2.6	1.7														62	62	7	1		
74 / 73	.2	6.5	6.9	7.5														149	149	37	17		
72 / 71	1.1	7.7	3.9	.5	.6													130	130	142	86		
7 / 69	2.1	6.7	4.7	.8	.2	.1												129	129	175	156		
63 / 67	1.1	5.6	4.7	1.3	.3	.1												115	115	115	146		
66 / 65	.2	7.0	2.3	1.4														122	122	93	92		
64 / 63	.3	4.0	1.7	.3	.1													60	60	115	131		
62 / 61	.3	3.1	2.7	.5														56	56	86	111		
5 / 59	.4	2.4	.8	.2														35	35	61	69		
56 / 57		1.4	.5															18	18	31	45		
56 / 55		2.0	1.1															29	29	25	48		
54 / 53	.2	.3	.1															5	5	29	21		
52 / 51	.1	.4	.2															7	7	11	29		
5 / 49			.1															1	1	1	1		
48 / 47																				3	3		
46 / 45																					3		
44 / 43																					3		
TOTAL	5.1	47.8	31.8	13.9	2.8	.3	.2	.1										930	930	930	930		

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OL A)

FORM

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7778 DAVISON AAF/FT BELVOIR VA

68-73, 75-79

JUL  
MONTH

PAGE 1 1625-0810  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
7 / 89																		1	1			
56 / 85					.1	.2												3	3			
64 / 83					.3	.4	.2											10	10			
61 / 81			.3	.3	.3	.3												21	21			
57 / 79		.1	.5	2.4	1.4	.2	.2											43	43	2		
75 / 77		1.1	3.4	2.4	1.9	.2	.2											82	82	8	2	
76 / 75		2.1	5.2	4.5	1.2	.5												125	125	45	13	
74 / 73	.2	5.8	6.2	3.3	.9	1.4	.4											177	177	96	52	
71 / 71	.6	5.2	4.5	1.6	1.7	.5	.1											133	133	170	116	
71 / 69	.3	3.8	4.6	1.7	1.1	.6	.1											117	117	158	160	
68 / 57	.5	2.9	2.5	.8	.5	.5												71	71	117	151	
57 / 55	.1	3.1	1.0	1.6	.2	.1												13	13	12	12	
64 / 61	.2	1.5	1.3	.9	.2													33	33	88	68	
61 / 61	.1	1.4	.5	.2	.3													23	23	59	81	
71 / 59	.3	.6	.3	.2														14	14	43	72	
56 / 57		.8	.1															8	9	23	4	
55 / 55		.4	.1															5	5	13	29	
54 / 53		.2	.1															3	3	6	26	
50 / 51																				1	12	
51 / 49																				1	7	
45 / 47																					1	
45 / 45																					1	
TOTAL	1.5	28.8	31.6	20.0	10.5	4.9	1.1	.1	.1									930	930	930	930	

7 728	DAVIDSON AAF/FT BELVOIR VA
STATION	STATION NAME

YEARS

PAGE 1

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

JUL  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
37/79												.1						1	1					
48/97											.5							5	5					
56/95											.8			.2				17	17					
47/93								.4	1.2	.9	.6	.1						30	30					
57/91				.1		.2	1.0	1.6	2.2	.6	.6	.1						60	60					
67/89					.1	.9	2.3	4.0	2.5	.6	.1							99	99					
58/97					.5	2.8	3.9	3.3	2.5	1.8	.3							141	141					
66/85				.1	1.5	1.9	2.6	2.3	1.4	1.1	.8	.2						108	108	1				
47/83				.8	1.9	2.6	1.8	2.6	2.2	1.2	.6	.2						129	129	1				
57/81		.1	.6	1.2	1.5	2.6	1.8	1.8	1.5	1.1	.9							121	121	4				
67/79			.3	1.3	1.7	1.5	.9	1.1	1.1	.2								72	72	47				
70/77		.2	.8	.7	.7	.6	.6	.6	1.1	.4								56	56	140				
59/75			.9	.6	.5	.6	.3	.5	.4	.1								40	40	144				
47/73		.4	.4	.8	.2	.3		.3	.1									24	24	156				
72/71		.8	.3					.1										11	11	130				
77/69			.2	.2				.2										6	6	103				
60/67			.2	.1														3	3	73				
66/65	.5	.2	.1															6	6	55				
64/63	.1																	1	1	39				
67/61																				25				
77/59																				8				
60/57																				3				
50/55																				32				
44/51																				23				
52/51																				15				
57/49																				17				
60/47																				13				
50/45																				4				
TOTAL	.4	1.7	3.9	6.0	8.9	14.1	15.3	18.8	16.7	8.4	5.5	.6	.1					930	930	930				
Element (X)	Σx²		Σx		Σ		Σ²		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum	3 5278		51916		55.7		13.599		930		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	5615231		76255		84.1		5.725		930						92.3		90.3		75.6		5.3		93	
Wet Bulb	4264631		67115		72.2		4.776		930						87.7		49.2		2.3				93	
Dew Point	4 87791		61325		65.0		6.880		930						51.1		14.1		.1				93	

**USAFETAC**  
FOAM  
0.26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

JUL  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
10/ 99										.1	.2	.1						1	1					
98/ 97										.3	.9	.3	.1	.1				3	3					
96/ 95										1.5	1.0	.6	.1					16	16					
94/ 93							.1	.9	1.5	1.0	.6	.1						39	39					
92/ 91						.1	.4	1.5	1.6	.9	.5	.4						51	51					
90/ 89					.2	1.0	3.4	3.8	1.9	1.3	1.0	.1						118	118					
88/ 87				.1	.4	2.9	2.9	1.8	3.2	.9	.3	.2						119	119					
86/ 85				.1	.3	1.3	3.9	2.4	1.7	1.4	.3	.1						107	107					
84/ 83		.1	.3	1.5	1.5	2.2	3.2	1.8	2.2	1.4	1.0	.1						140	140					
82/ 81			.4	.9	.9	1.9	1.8	1.3	2.2	.5	.2							94	94	11	1			
80/ 79		.4	.9	1.4	1.3	1.5	.4	1.3	.9	.3								75	75	51	5			
78/ 77		.2	1.2	1.3	1.3	.4	1.1	.5	.5	.6								67	67	124	16			
76/ 75		.3	1.5	.4	.5	.5	.4	.4	.5									44	44	141	35			
74/ 73		1.2	.6	.4	.1	.2		.1										25	25	158	94			
72/ 71		.6	.2	.3				.2										13	13	152	121			
70/ 69		.2	.2	.2														6	6	91	125			
68/ 67		.2	.1	.2														5	5	72	107			
66/ 65		.6	.1															7	7	70	103			
64/ 63																				37	76			
62/ 61																				17	49			
60/ 59																				5	50			
58/ 57																				1	53			
56/ 55																					28			
54/ 53																					18			
52/ 51																					18			
50/ 49																					19			
48/ 47																					7			
46/ 45																					2			
TOTAL		4.0	5.6	6.7	6.2	12.0	17.7	16.0	16.6	9.2	4.5	1.3	.1					930	930	930	930			
Element (X)	Σx <sup>2</sup>	Σx		̄x	σ <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature																
Rel. Hum.	3173313	52522		56.5	14.903	930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	6600543	78157		84.0	5.892	930				92.3	89.9	73.4	5.9	93										
Wet Bulb	4673612	67186		72.2	4.626	930				80.0	48.5	2.1		93										
Dew Point	4106123	61477		66.1	6.742	930				50.7	15.4	.1		93										

## PSYCHROMETRIC SUMMARY

7-128  
STATIS

DAVISON AAF/FT BELVOIR VA  
STATION NAME

66-70, 73-79

JUL  
MONTH

PAGE 1

1900-2000  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

93 28	DAVISON AAF/FT BELVOIR VA
STATION	STATION NAME

68-70, 73-79

JUL  
MONTH

PAGE 1 2170-2300  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

97728	DAVISON AAF/FT BELVOIR VA
STATION	STATION NAME

58-70, 73-79

**YEARS**

JUL  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

AUG  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

**YEARS**

PAGE :

0300-0500  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

03728  
STATIC

DAVISON AAF/FT BELVOIR VA  
STATION NAME

66-70, 73-79

YEARS

AUG  
MONTH

PAGE 1

0600-0800  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

AUG  
MONTH

PAGE 1

2960-11:0  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
94/ 93							.1	.3	.1	.1								6	5			
92/ 93						.1	.3	.5	.3									12	12			
90/ 89						.4	1.0	1.2										24	24			
88/ 87					.5	2.2	1.7	1.5	.2		.1							58	58			
86/ 85				.4	1.2	2.7	1.7	1.3	.4	.1								73	73			
84/ 83			.1	1.5	3.2	2.5	2.7	1.3	.3									105	105			
82/ 81		.1	.5	2.3	4.2	2.3	1.5	.9	.4	.1								120	120	4		
80/ 79			1.4	4.7	3.3	2.5	1.7	1.1	.4									136	136	24	1	
78/ 77		.8	3.6	3.4	2.9	.9	1.5	.6			.1							128	129	83	7	
76/ 75	.1	.3	2.7	3.1	1.2	1.6	.9	.8	.2									101	101	139	48	
74/ 73	.1	.5	1.5	1.1	.9	1.1	.8	.5	.1									60	60	202	97	
72/ 71	.2	.4	1.7	.5	.5	.3	1.4	.3										52	52	150	162	
70/ 69	.5		.4	.1	.5	.5	.8	.2										29	29	100	162	
68/ 67			.5	.1	.3	.3	.3											15	15	70	112	
66/ 65						.2	.1	.1										4	4	53	94	
64/ 63					.1		.1											2	2	33	40	
62/ 61																				27	49	
60/ 59		.2	.1			.1												4	4	23	33	
58/ 57																				17	32	
56/ 55																				4	22	
54/ 53																				1	20	
52/ 51																				2	15	
50/ 49																					19	
48/ 47																					5	
46/ 45																					7	
44/ 43																					1	
42/ 41																					2	
40/ 39																					1	
TOTAL	1.1	2.4	12.6	17.3	19.8	17.2	16.5	10.2	2.6	.3	.2							929	930	929	929	
Element (X)	ΣX <sup>2</sup>		ΣX		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.	4221885		61483		66.2		12.833		929		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb	5770479		73896		79.5		5.571		930				92.0	82.4	46.4	.6	93					
Wet Bulb	4731482		66126		71.2		5.154		929				77.0	44.9	1.4		91					
Dew Point	4184746		62228		66.8		6.825		929				59.0	15.3			93					

## PSYCHROMETRIC SUMMARY

**YEARS**

AUG  
MONTH

PAGE 1 1230-14.10  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
98 / 97										.1	.2	.2							5	5															
96 / 95										.3	.9	.3	.1	.1					20	20															
94 / 93								.1	.4	.9	.6	.3							22	22															
92 / 91							.6	2.5	2.2	.9	.1	.1							65	65															
90 / 89					.2	1.4	1.3	4.3	2.7	1.5	.2	.2							110	110															
98 / 87				.1	.6	2.8	2.9	2.9	2.0	.9	.2								116	116															
86 / 85				.6	2.7	4.2	2.3	3.0	.8	.5	.1								126	126															
84 / 83			.3	.5	4.3	2.5	1.9	1.1	1.7	.5									120	120															
82 / 81			.1	1.7	2.5	1.4	1.5	2.7	.6	.5									104	104	10														
80 / 79			.4	1.3	1.6	1.3	1.1	1.1	1.7	.5	.1								77	77	58	2													
78 / 77		.1	.8	.9	1.1	.5	.8	1.3	1.7	.6									64	64	123	18													
76 / 75		.2	.4	.4	.6	.8	1.1	.9	.4	.2									47	47	193	45													
74 / 73	.1	.3	.4	.5			.1	.4	.3	.1									22	22	174	90													
72 / 71		.3	.3	.3			.1	.1	.2										13	13	103	156													
70 / 69	.3		.1	.1		.1	.2	.1											9	9	73	143													
68 / 67		.1	.2	.1	.1			.1											6	6	61	105													
66 / 65				.1															1	1	48	96													
64 / 63																					35	46													
62 / 61																					22	49													
60 / 59		.3																	3	3	17	49													
58 / 57																					10	23													
56 / 55																					2	34													
54 / 53																					1	21													
52 / 51																						16													
50 / 49																						11													
48 / 47																						13													
46 / 45																						5													
44 / 43																						3													
42 / 41																						4													
TOTAL	.4	1.4	3.1	6.8	13.0	14.9	13.9	20.9	15.4	8.1	1.6	.4	.1						930		930														
																			930		930														
Element (X)	Σx'			Σx		Σ	Σ <sub>2</sub>	No. Obs.		Mean No. of Hours with Temperature																									
Rel. Hum.	3151745			52787		56.8	12.940	930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																			
Dry Bulb	6591357			78101		84.0	5.912	930				92.6	82.8	73.2	4.7	93																			
Wet Bulb	4899745			67333		72.4	5.163	930				79.5	55.8	3.1		93																			
Dew Point	4151976			61784		66.4	7.142	930				55.9	15.5	.1		93																			





## PSYCHROMETRIC SUMMARY

**YEARS**

AUG  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

437.8  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

63-77, 73-79

**YEARS**

AUG  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

[illegible]









## PSYCHROMETRIC SUMMARY

93728

DAVISON AAF/FT BELVOIR VA

68-70, 73-79

SEP

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

1230-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
94/ 93									.1	.1	.1	.1						4	4					
92/ 91							.1	.2	.6	.1	.2							17	17					
91/ 89							.7	1.1	.6	.9	.1				.1			31	31					
88/ 87				.1	.1	.3	1.7	.9	.4	.3	.2	.1						38	38					
86/ 85			.1		.3	1.6	1.9	.8	.9	.1	.8	.2						60	60					
84/ 83			.1	.1	1.7	2.0	1.1	1.3	1.0	1.7								75	75					
82/ 81				.3	1.6	2.2	1.2	1.5	1.2	.8	.1							79	79	3				
81/ 79				.6	1.2	1.4	1.7	1.7	1.9	.8								83	83	3				
76/ 77			.1	.8	2.2	1.7	1.4	2.2	1.4	1.4	.2							104	104	33				
76/ 75		.1	.9	.9	1.7	2.3	1.7	1.7	1.2		.1							36	86	61				
74/ 73		.4	.2	1.7	1.7	1.2	1.6	2.2	.7	.3								76	76	82				
72/ 71		.3	.7	.3	1.2	1.4	1.4	1.3	.4	.2								67	67	80				
71/ 69		.2	1.2	.7	.9	.6	1.0	.6	.1									47	47	77				
68/ 67		.9	1.3	1.0	1.3	1.0	.9	.7	.1									65	65	91				
66/ 65		.4	.4	.6	.2	.6	.9	.4										32	32	104				
64/ 63		.4	.3	.1	.1	.2	.2	.2	.2									17	17	112				
62/ 61		.3		.2	.2	.1	.2	.1	.1									12	12	88				
61/ 59				.2				.2										4	4	65				
58/ 57		.1																1	1	37				
56/ 55		.2																2	2	33				
54/ 53																				16				
52/ 51																				6				
51/ 49																				3				
49/ 47																				3				
46/ 45																				3				
44/ 43																				14				
42/ 41																				8				
41/ 39																				7				
38/ 37																				7				
32/ 31																				2				
3 / 29																				3				
28/ 27																				1				
TOTAL		3.6	5.4	6.9	13.1	16.3	17.7	16.8	11.0	6.8	1.9	.4		.1				900	930	900				
Element (X)	Σx²	Σx		Σ		Σx		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.	3020598	50414		56.0		14.789		900		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	5393624	69364		77.1		7.281		900				23.2	65.3	34.4	.4	90								
Wet Bulb	3786472	59626		66.2		6.459		900				43.0	18.2	.4		90								
Dew Point	3241783	53427		59.4		8.835		900			.6	22.1	2.7	.3		90								



## PSYCHROMETRIC SUMMARY

SEP  
MONTH

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

SEP  
MONTH

1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

<u>93728</u>	<u>DAVISON AAF/FT BELVOIR VA</u>
STATION	STATION NAME

68-70, 73-79

**YEARS**

SEP  
MONTH

PAGE 1

1800-2000  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

52728 DAIVSON AAF/FT BELVOIR VA 68-70,73-79

YEARS

SEP  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					Dry Bulb	Wet Bulb	Dew Point
96/ 95																					1	1		
94/ 93																					7	7		
92/ 91																					35	35		
90/ 89																					72	72		
88/ 87																					85	85		
86/ 85																					143	143		
84/ 83																					195	195		
82/ 81																					225	225		
80/ 79																					314	314	13	2
78/ 77																					356	356	25	6
76/ 75																					487	487	212	33
74/ 73																					516	516	327	1.8
72/ 71																					567	567	498	278
70/ 69																					626	626	559	522
68/ 67																					635	635	684	497
66/ 65																					539	539	691	564
64/ 63																					461	461	775	568
62/ 61																					421	421	668	658
60/ 59																					393	393	645	569
58/ 57																					325	325	553	628
56/ 55																					262	262	473	637
54/ 53																					165	165	335	475
52/ 51																					137	137	218	447
50/ 49																					80	80	170	338
48/ 47																					65	65	119	288
46/ 45																					49	49	82	188
44/ 43																					22	22	47	151
42/ 41																					12	12	31	84
40/ 39																					5	5	5	46
38/ 37																							5	31
36/ 35																							5	11
34/ 33																								4
32/ 31																								13
30/ 29																								9
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 44 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

93728  
STATIC

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79

**YEARS**

SEP  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

58-70, 73-77

YEARS

007

PAGE 1

5000-102.11  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
76/ 75			.1	.3														4	4					
74/ 73			.2	.2				.1										5	5					
72/ 71		.3	.1	.1		.1	.2											8	8	2				
71/ 69		.8	.2															9	9	12	3			
68/ 67		.4	.6	.3	.2	.1												16	16	7	17			
66/ 65		1.5	1.2	.8	.2	.1												35	35	12	12			
64/ 63	.3	2.8	1.6	1.3	.2	.1												59	59	21	15			
62/ 61		4.2	.8	.2	.1		.4											53	53	54	28			
61/ 59		4.5	1.3	.4														55	55	54	49			
58/ 57	.2	4.2	.6	.4	.9	.3												62	62	67	55			
56/ 55	.2	2.5	1.1	.4	.5													43	43	50	72			
54/ 53	.1	3.7	1.7	.5	.7	.1												57	57	37	43			
52/ 51		2.8	1.6	.9	.1	.2												52	52	50	42			
51/ 49		3.1	2.5	1.4	.3													68	68	55	45			
48/ 47	.1	5.5	1.4	1.1	.2													77	77	61	39			
45/ 45	.3	4.7	.5	.5														57	57	81	60			
44/ 43		2.9	1.3	1.2	.1													51	51	74	59			
42/ 41	.3	3.2	1.4	.6	.2													54	54	54	71			
" / 39	1.1	3.7	1.3	.2														49	49	53	60			
38/ 37	.5	1.9	1.4	.2														38	38	54	59			
36/ 35	.3	.9	.6	.5														22	22	38	34			
34/ 33	.1	1.2																12	12	24	41			
32/ 31		1.8	.5	.1														23	23	16	38			
31/ 29	.3	1.2	.5															19	19	22	22			
28/ 27		.2																2	2	21	32			
26/ 25																				2	13			
24/ 23																					9			
22/ 21																					15			
21/ 19																					4			
18/ 17																					2			
16/ 15																					1			
TOTAL	3.9	57.3	22.0	11.6	3.2	1.1	.6	.1										930	930		930			
Element (X)	Σx'		Σx		Σ	σ <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.	6166257		76793		11.8	12.289	930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	2486966		47140		50.7	10.246	930			4.4	4.2	.9			93									
Wet Bulb	22339.5		44613		48.0	10.047	930			6.1	2.1				93									
Dew Point	2009478		41956		45.1	11.207	930			13.7	1.6				93									

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

97728 DAVISON AAF/FT BELVOIR VA

68-70, 73-79

OCT  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
76 / 70					.1													1	1			
74 / 73				.2														2	2			
72 / 71		.5	.2		.1	.1												9	9	1		
7 / 69		.5	.2		.3	.1												11	11	9	6	
68 / 67		.5	.3		.2	.1												11	11	6	6	
66 / 65		2.3	.4	.3			.1											29	29	10	7	
64 / 63	.3	2.4	1.2	1.0	.1	.1												47	47	29	21	
62 / 61		3.0	1.6	.5	.1	.1	.2											52	52	29	26	
6 / 59	.3	4.2	.3	.4	.1	.1												51	51	60	39	
58 / 57	.2	4.4	1.2	.5	.4	.5												68	68	62	40	
56 / 55		3.4	1.2	.6	.5	.1												55	55	53	73	
54 / 53	.1	3.4	1.3	.5	.4	.2												56	56	49	49	
52 / 51	.2	2.3	1.1	.8														40	40	49	43	
5 / 49		2.7	1.8	1.2	.2													55	55	44	37	
48 / 47		3.3	1.4	.5	.4													53	53	61	36	
46 / 45	.3	5.1	1.8	.4	.2													73	73	68	52	
44 / 43	.1	3.2	1.7	.9	.1													49	49	67	57	
42 / 41	.4	3.2	1.6	.5														54	54	66	60	
4 / 39	1.4	2.9	.6	.3	.1													50	50	53	76	
38 / 37	.4	3.2	.5	.1														40	40	46	61	
36 / 35	1.3	3.1	1.2	.1														50	50	46	38	
34 / 33	.2	1.1	.5															17	17	40	37	
32 / 31		2.3	1.0															30	30	25	53	
3 / 29	.2	1.4	.1															16	16	29	30	
28 / 27	.1	.9	.1															10	10	19	21	
26 / 25		.1																1	1	9	23	
24 / 23																					15	
22 / 21																					13	
2 / 19																					8	
18 / 17																					3	
TOTAL	5.4	59.5	23.8	9.0	3.5	1.5	.3											930	930	930	930	
																		930		930		
Element (X)	Σx'		Σx		Σ		Σ <sub>n</sub>		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.	6459072		76700		82.5		11.782		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb	2375971		45969		49.4		10.569		930			5.7	3.4	.3			93					
Wet Bulb	2143557		43435		46.9		10.325		930			8.2	1.6				93					
Dew Point	1930086		4118		44.1		11.411		930			16.6	1.2				93					

USAFETAC FORM 84 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93728 STATION DAVISON AAF/FT BELVOIR VA

68-70,73-79

YEARS

OCT

MONTH

PAGE 1

0630-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
79/ 77																		1	1						
76/ 75				.1	.2													3	3						
73/ 71		.3	.2			.1												6	6	2	1				
70/ 69		1.1	.2			.3	.2											17	17	9	2				
68/ 67		.9	.5															13	13	11	9				
65/ 65		2.2	.4	.2				.1										27	27	14	17				
64/ 63	.4	2.2	.5	1.1	.2	.2												43	43	31	21				
62/ 61	.1	3.3	2.2	.5	.2			.2										60	60	31	28				
60/ 59	.9	3.3	1.2	.5														55	55	60	38				
58/ 57	.1	3.4	1.4	.5	.2	.1												54	54	54	41				
56/ 55	.3	2.6	1.6	1.2	.6	.1	.1											61	61	55	63				
54/ 53	.2	3.1	1.3	.6	.2	.3												54	54	47	47				
52/ 51		3.1	1.2	.8	.5	.1												53	53	46	43				
50/ 49		2.7	2.3	1.3	.6													64	64	55	39				
48/ 47		4.7	1.6	.4	.4													67	67	58	43				
46/ 45		4.4	2.2	1.2	.1													73	73	91	50				
44/ 43	.3	2.6	1.5	.6														47	47	65	59				
42/ 41	.4	2.7	1.1	.5	.2													46	46	54	53				
40/ 39	1.2	2.4	1.4	.2	.1													49	49	66	73				
38/ 37	1.1	2.3	.8															38	38	46	56				
36/ 35	.3	1.9	1.3	.1														31	31	44	44				
34/ 33	.5	1.7	1.5															35	35	29	48				
32/ 31		.5	.6															11	11	26	47				
30/ 29	.2	1.1																12	12	21	34				
28/ 27		.6																6	6	12	7				
26/ 25		.4																4	4	8	25				
24/ 23																					2	12			
22/ 21																						11			
20/ 19																						9			
18/ 17																						2			
TOTAL	5.1	53.5	24.5	10.5	4.2	1.2	.1	.3										930	930	930	930				
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		
Rel. Hum.	6371256		76094		81.8		12.499		930		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total		
Dry Bulb	2431371		46583		50.1		10.274		930		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		93		
Wet Bulb	2187364		44088		47.4		10.134		930		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		93		
Dew Point	1963440		41406		44.5		11.362		930		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		93		

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

9-728      DAVISON AAF/FT BELVOIR VA      68-70, 73-79

STATION      STAT. ON NAME      YEARS

OCT  
MONTH

PAGE 1

0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
66/ 85								.1										1	1			
62/ 81						.1		.2										3	3			
67/ 79						.3												3	3			
73/ 77				.1	.1	.4	.4	.1	.2									13	13			
78/ 75			.1	.3	.5	.3												13	13			
74/ 73	.2		.1	.4	.4	.4	.4	.2	.1									22	22	2	2	
77/ 71		.2	.3	.2	.8	.5	.3	.1										23	23	6	1	
77/ 69		.6	1.4	.4	1.2	1.0	.9	.1	.1	.1								54	54	14	4	
65/ 67		1.5	1.0	1.9	1.7	.6	.4	.4	.3									83	83	25	12	
66/ 65		1.4	1.2	1.8	1.1	1.2	1.1	.4										75	75	48	28	
64/ 63		2.4	.6	1.8	.6	1.9	1.1	.4										83	83	54	28	
67/ 61		1.2	1.2	1.8	1.1	1.6	1.2	.1										75	75	68	51	
67/ 59	.1	1.9	1.8	1.9	2.1	1.3	1.1	.8										101	101	69	40	
53/ 57	.1	1.8	.4	.8	1.6	1.4	.6	.2										66	66	72	59	
56/ 55		.5	1.2	1.6	2.2	1.7	.5											72	72	67	71	
54/ 53		1.2	.6	2.3	1.8	1.7	.2											65	65	74	46	
52/ 51		.6	.9	.8	1.3	1.3												45	45	73	45	
57/ 49	.1	.5	.3	1.7	1.2	.6	.1											36	36	81	54	
45/ 47	.1	.5	.1	1.4	1.1	.4	.1											35	35	66	49	
46/ 45		.4	1.3	.8	.5	.8												32	32	63	53	
44/ 43		.2	.4	.5	.1													12	12	45	47	
42/ 41		.1	.2	.1	.3													7	7	47	68	
47/ 38				.4	.1													5	5	20	50	
35/ 37			.1	.1														2	2	18	34	
36/ 35			.4															4	4	5	47	
34/ 33																				9	36	
32/ 31																				4	32	
37/ 29																					29	
36/ 27																					17	
35/ 25																					6	
24/ 23																					7	
22/ 21																					13	
27/ 19																					3	
Element (X)	Σ x <sup>2</sup>		Σ x		X		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																						
Wet Bulb																						
Dew Point																						

## PSYCHROMETRIC SUMMARY

**YEARS**

QCT  
MONTH

PAGE 2

1970-11-2  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

07728 DAVISON AAF/FT BELVOIR VA

68-73, 73-79

YEARS

OCT

MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
88/ 87										.3	.2							5	5												
86/ 85										.2		.1						3	3												
84/ 83									.1	.1	.2							8	8												
82/ 81						.2	1.0	.4	.3	.2								20	20												
80/ 79					.3	.6	1.0	.2	.3	.3								26	26												
78/ 77		.1	.2	.1	.6	.9	.5	.5	.5	.2								35	35												
76/ 75				.2	.6	.6	.9	1.0	.4	.4								40	40	1											
74/ 73		.1	.1	.3	1.1	.5	1.1	.3	.5	.2								48	48	3	1										
72/ 71		.3	.9	.6	1.2	1.5	1.4	1.7	.6	.2	.3							81	91	10	2										
70/ 69		.3	.6	1.0	1.3	1.9	1.5	1.6	1.2	.3								92	92	36	6										
68/ 67	.1	.2	1.1	1.1	1.1	1.1	1.9	1.1	.5	.1								77	77	51	11										
66/ 65		.6	.3	.3	.5	1.7	1.7	1.5	1.1									73	73	45	23										
64/ 63		1.0	1.1	.3	1.3	1.2	1.6	1.6	1.1									82	82	78	40										
62/ 61		.6	.3	1.2	.3	1.1	1.6	.9	.4									62	62	66	48										
60/ 59		1.1	.3	.8	.8	2.0	2.2	.8	.1									74	74	74	45										
58/ 57		.5	.4	.8	.5	1.8	2.6	.5										67	67	77	54										
56/ 55		.3	.4	.3	.3	.4	1.2											28	28	74	45										
54/ 53				.1	.6	1.1	1.0											26	26	71	51										
52/ 51			.1		.9	.5	.6	.2										22	22	69	46										
50/ 49		.1	.5	.5	.4	.8	.5											27	27	64	52										
48/ 47			.1	.4	.1	.9												14	14	67	57										
46/ 45		.4	.2		.1	.2												9	9	44	51										
44/ 43		.3			.2	.1												6	6	39	39										
42/ 41			.1		.2													3	3	24	46										
40/ 39			.1															1	1	16	48										
38/ 37			.1															1	1	12	54										
36/ 35																				6	40										
34/ 33																				3	42										
32/ 31																					45										
30/ 29																					29										
28/ 27																					20										
26/ 25																					4										
24/ 23																					14										
22/ 21																					11										
Element (X)	Σ x <sup>2</sup>			Σ x			Σ			Σ x			No. Obs.			Mean No. of Hours with Temperature															
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																															
Wet Bulb																															
Dew Point																															

## PSYCHROMETRIC SUMMARY

YEARS

OCT  
MONTH

1200-1400  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93728 DAVISON AAF/FT BELVOIR VA

68-70, 73-79

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
68 / 87										.2								2	2						
26 / 85									.1		.3							4	4						
84 / 83								.2	.3	.2	.1							8	8						
82 / 81						.2	.2	.3	.4	.1	.1							13	13						
31 / 79				.1	.1	.9	.6	.4	.4	.2	.1							27	27						
78 / 77				.2	1.7	1.3	1.2	.2	.5	.2								43	43						
76 / 75				.2	.9	.8	.4	1.0	.4	.2								36	36						
74 / 73		.1	.1	.6	1.4	1.1	.8	1.1	.9	.4	.1	.1						62	62	1					
72 / 71		.3	1.2	.9	.6	1.2	1.2	.5	.6	.3	.1							65	65	16	1				
71 / 69		.2	1.1	.8	.9	1.9	1.5	1.3	1.3									82	82	28	7				
68 / 67		.2	.9	1.2	.8	1.1	1.5	.8	.6	.1								66	66	53	16				
66 / 65		.9	.8	1.4	1.1	1.3	1.2	1.4	1.2	.2								87	87	61	21				
64 / 63		.4	.6	1.0	1.7	1.1	1.9	.9	1.3	.1								81	81	58	42				
62 / 61		.1	.3	.8	1.0	1.2	1.7	1.2	.5	.2								65	65	67	45				
61 / 59		1.0	.2	.2	.8	1.2	2.1	1.1										60	60	78	41				
58 / 57		1.2	.4	.9	1.4	1.9	1.6	.4										73	73	73	66				
56 / 55		.2	.3	.9	.2	.2	1.0											34	34	79	43				
54 / 53			.2	.1	.6	.9	.8	.1										25	25	53	55				
52 / 51			.4	.2	.6	1.1	1.2											31	31	81	44				
51 / 49		.1	.4	.2	.8	.9	.8											29	29	64	56				
48 / 47				.2	.5	.5	.1											13	13	66	42				
46 / 45		.1			.2	.5												8	8	39	55				
44 / 43		.6		.1	.2	.1												10	10	35	28				
42 / 41				.2	.1	.1												4	4	31	64				
41 / 39		.2																2	2	23	46				
38 / 37																				17	51				
36 / 35																				5	32				
34 / 33																				2	35				
32 / 31																					42				
31 / 29																					28				
28 / 27																					23				
26 / 25																					17				
24 / 23																					13				
22 / 21																					10				
Element (X)	ΣX <sup>2</sup>			ΣX			X̄			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature							Total		
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)

USAFETAC

## PSYCHROMETRIC SUMMARY

YEARS

OCT  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

43726 DAVISON AAF/FT BELVOIR VA

68-73, 73-79

OCT  
MONTH

PAGE 1 1890-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point			
79 / 79						.2													2	2				
78 / 77					.2	.1													3	3				
76 / 75				.2	.1	.1													4	4				
74 / 73			.6	.3	.1	.2	.2		.1										15	15				
72 / 71	.1	.1	.6	.5	.5	.1	.1			.1									21	21	1	1		
70 / 69	.1	.5	1.2	1.4	.6	.1	.2												39	39	18	4		
68 / 67		.9	2.6	.6	.2	.1	.2	.1											44	44	15	10		
66 / 65		2.5	1.3	1.1	.5	.4	.5												59	59	44	28		
64 / 63		2.6	1.9	1.3	.9	.5	.3	.1											71	71	64	34		
62 / 61		1.5	2.7	2.4	1.2	.9	.2	.2											82	82	44	47		
60 / 59		1.4	2.5	.9	.8	.8	.2	.1											61	61	52	47		
58 / 57		2.5	3.1	1.1	1.1	.4	.2	.1											78	78	71	48		
56 / 55	.1	1.5	2.3	1.6	1.2	.8	.1												80	66	76	55		
54 / 53		1.0	2.5	1.4	1.1	.3	.1												59	59	69	64		
52 / 51		.9	2.5	1.6	1.3	.5													63	63	55	48		
50 / 49		1.3	3.2	1.8	.9	.1													66	66	64	47		
48 / 47		1.5	1.6	.9	.8	.1													45	45	76	52		
46 / 45		1.1	1.9	1.5	.5	.3													50	50	64	66		
44 / 43		1.5	1.3	1.3	.4	.1													37	37	58	62		
42 / 41		.3	.5	1.2	.2														21	21	48	51		
40 / 39		.6	.6	.8	.2														21	21	39	56		
38 / 37			.4	.2															6	6	22	50		
36 / 35		.3	.9	.2															13	13	16	27		
34 / 33			.2																2	2	22	25		
32 / 31			.2																2	2	8	27		
30 / 29																					4	25		
28 / 27																						23		
26 / 25																						16		
24 / 23																						4		
22 / 21																						13		
20 / 19																						2		
TOTAL	.3	21.9	34.3	21.9	12.3	6.1	2.6	.6	.1	.1									930	930		930		
																			930		930			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	5108330		67574		72.7		14.6		13		930		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F	
Dry Bulb	3 30675		52403		56.3		9.155		930						.2		12.8		2.4				93	
Wet Bulb	25679		48120		51.7		9.168		930						1.2		3.4						93	
Dew Point	2188966		439.4		47.2		11.191		930						10.7		1.5						93	

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-79, 73-79  
YEARS

0C1  
MONTH

PAGE 1

2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
76 / 77					.2													2	2					
75 / 75			.2		.1													3	3					
74 / 73			.2	.3	.1													6	6					
72 / 71		.1	.3	.1	.2	.1												8	8					
7 / 69	.1	.2	1.7	.4	.1													17	17	13	3			
60 / 67		.2	1.7	.8	.1		.2											28	28	4	7			
66 / 65		1.7	.5	1.2	.1	.2												35	35	21	17			
64 / 63	.1	3.8	.9	.4	.3	.6		.3										60	60	39	16			
62 / 61		3.9	.6	.4	.3	.1	.1											51	51	54	44			
6 / 59		4.3	1.2	.3	1.1	.3												66	66	52	47			
58 / 57	.2	4.3	1.7	.4	.5	.2	.2											71	71	59	51			
56 / 55	.1	3.7	1.6	.4	.6	.2												61	61	64	66			
54 / 53		2.8	1.4	.9	.3	.4												54	54	52	49			
52 / 51		2.2	2.8	1.6	1.0													63	63	58	43			
5 / 49		3.3	2.3	1.7	.2	.1												71	71	51	50			
48 / 47		3.1	1.3	.8	.9	.2												58	58	70	44			
42 / 45		4.1	2.8	.3	.2													62	62	77	59			
44 / 43	.1	3.3	1.2	.5														49	49	78	66			
42 / 41	.3	2.8	2.3	.4	.2													53	53	50	65			
4 / 39	.3	1.9	1.2	.2														34	34	51	55			
38 / 37		1.3	.8	.3														22	22	43	61			
36 / 35	.2	.6	.3	.2														13	13	28	41			
34 / 33		.6	.9	.1														15	15	18	28			
32 / 31		1.7	.6															22	22	15	30			
3 / 29		.6																6	6	23	24			
28 / 27																				8	22			
26 / 25																					13			
24 / 23																					19			
22 / 21																					8			
2 / 19																					1			
18 / 17																					1			
TOTAL	1.4	50.6	25.7	12.0	6.6	2.6	.5	.2										930	930		930			
																		930		930				
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	6048653		74001		79.6		13.137		930		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb	2633955		48638		52.3		9.856		930			2.8	6.4	1.1			93							
Wet Bulb	2331212		45588		49.1		9.661		930			4.6	1.9				93							
Dew Point	2069460		42662		45.9		11.002		930			11.8	1.0				93							

GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93778  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

OCT  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point	Total	Total	Total	Total
86/ 87										.1	.0							7	7		7			
86/ 85									.3	.3	.0							8	8		8			
84/ 83									.0	.1	.0							16	16		16			
82/ 81						.1	.1	.1	.1	.2	.0							36	36		36			
81/ 79				.1	.1	.3	.2	.1	.1	.1	.0							58	58		58			
78/ 77		.3	.3	.1	.3	.3	.3	.1	.2	.1								97	97		97			
76/ 75			.1	.2	.3	.2	.7	.2	.1	.1								134	134		134	1		
74/ 73		.3	.2	.3	.4	.3	.3	.3	.2	.1	.1	.0						160	160		160	6	3	
72/ 71		.3	.5	.5	.4	.5	.4	.3	.2	.1	.1							221	221		221	40	6	
70/ 69		.5	.7	.6	.6	.7	.5	.4	.3	.1								321	321		321	139	35	
68/ 67		.6	1.2	.7	.5	.4	.5	.3	.2	.0								338	338		338	172	84	
66/ 65		1.6	.8	.9	.4	.6	.6	.4	.3	.0								420	420		420	255	151	
64/ 63	.1	2.2	1.1	1.0	.6	.7	.6	.4	.3	.0								526	526		526	374	217	
62/ 61	.3	2.2	1.2	1.0	.5	.6	.7	.3	.1	.0								500	500		500	412	316	
61/ 59	.2	2.7	1.1	.7	.7	.7	.7	.3	.0									523	523		523	509	346	
59/ 57	.1	2.8	1.2	.7	.8	.8	.7	.2										539	539		539	535	413	
55/ 55	.1	1.8	1.2	.9	.8	.4	.5											420	420		420	518	484	
54/ 53	.1	1.9	1.1	.8	.6	.6	.3	.1										396	396		396	447	461	
52/ 51	.1	1.5	1.2	.8	.7	.5	.2	.0										369	369		369	481	354	
51/ 49	.1	1.7	1.6	1.1	.6	.3	.2											416	416		416	478	380	
48/ 47	.1	2.3	.9	.7	.6	.3	.1											362	362		362	525	362	
46/ 45	.1	2.5	1.2	.6	.2	.2												364	364		364	525	455	
44/ 43	.1	1.6	.8	.6	.1	.0												261	261		261	461	417	
42/ 41	.2	1.5	.9	.5	.2	.0												242	242		242	374	477	
41/ 39	.5	1.4	.6	.3	.1													211	211		211	321	464	
38/ 37	.3	1.1	.5	.1														147	147		147	258	426	
36/ 35	.2	.9	.6	.1														133	133		133	188	303	
34/ 33	.1	.6	.4	.3														81	81		81	147	292	
32/ 31		.8	.4	.0														88	88		88	94	321	
31/ 29	.1	.5	.1															53	53		53	99	221	
28/ 27	.1	.2	.1															18	18		18	60	155	
26/ 25		.1																5	5		5	19	117	
24/ 23																						2	93	
22/ 21																							95	
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64

## PSYCHROMETRIC SUMMARY

93723  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

66-72, 73-79

**YEARS**

OCT  
MONTH

PAGE 2

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point	
2 / 19																					36	
34 / 17																					14	
16 / 15																					2	
TOTAL	2.2	33.7	19.4	13.0	9.4	8.6	6.9	3.5	2.1	.7	.3	.0						7440		7440		
																		7440		7440		



## PSYCHROMETRIC SUMMARY

NOV  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

73728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

66-70,73-79  
YEARS

NOV  
MONTH

PAGE 1

0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
71/ 69						.1												1	1						
69/ 67		.3				.2												5	5						
66/ 65	.1	.6		.2	.1													9	9	4	4				
64/ 63	.2	.7	.1	.3														10	10	11	7				
62/ 61		1.4	.7	.1			.1											21	24	5	6				
60/ 59	.4	2.0	.4	.1														27	27	27	18				
58/ 57		1.3	.3	.1		.1												17	17	24	13				
56/ 55	.3	2.8	.6	.6	.2	.1	.1											42	42	24	23				
54/ 53	.2	3.2	.7	.2	.3	.1	.1											45	45	38	39				
52/ 51		2.1	1.7	.7	.2	.4												46	46	26	32				
50/ 49		2.7	1.3	.2	.4													39	39	39	21				
48/ 47		1.7	1.1	1.3	.6													44	44	40	32				
46/ 45	.1	4.0	1.7	1.8	1.7	.1												78	78	37	23				
44/ 43	.5	1.9	1.1	.7	.6													43	43	57	44				
42/ 41	.3	1.3	2.1	1.6	.6													53	53	54	43				
40/ 39	.7	2.7	1.3	.6	.1													48	48	64	30				
38/ 37	.8	3.6	1.6	1.4	.1													67	67	58	46				
36/ 35	.2	2.9	1.4	.4														45	45	73	52				
34/ 33	.6	2.9	1.4	1.8														60	60	51	56				
32/ 31	.4	3.3	1.7	.7														55	55	48	69				
30/ 29	.7	5.1	1.0	.4														65	65	61	46				
28/ 27	.5	2.1	.6															29	29	78	56				
26/ 25	.1	1.1	.1															12	12	27	73				
24/ 23		1.3	.2															14	14	21	32				
22/ 21		.8	.7															13	13	7	33				
20/ 19		.4	.2															6	6	14	33				
18/ 17		.3																3	3	6	23				
16/ 15																				3	16				
14/ 13																					0				
12/ 11																					5				
10/ 9																					5				
8/ 7																					1				
6/ 5																					2				
4/ 3																					1				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma^2$		No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total						
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OLA) REVISOR EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

NOV  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

NOV  
MONTH

PAGE 1

0605-08.0  
HOURS (L. S. T.)



## PSYCHROMETRIC SUMMARY

**YEARS**

NOV  
MONTH

1670-08.0  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
TOTAL	5.4	55.7	18.7	13.3	3.2	.7												897	9.10	897	897	

FORM 0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93728 DAVISON AAF/FT BELVOIR VA

68-73, 73-79

NOV  
MONTH

PAGE 1

1973-11-30  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
8 / 70							.1											1	1				
70 / 71								.1	.1									3	3				
76 / 75							.2	.1										3	3				
74 / 73					.1	.1	.1			.1								4	4				
72 / 71			.2		.1	.2	.1											6	6				
7 / 69			.1	.2	.2	.1		.1	.1									8	8				
66 / 67		.2	.6	.7	.6	.3	.1											23	24	5			
66 / 65		.4	.6	.2	.1	.2	.6	.4										23	24	6	4		
64 / 63	.2	1.7	.8	.4	.3	.6	.3	.1										34	34	23	11		
62 / 61	.2	1.3	.7	.6	.4	.1	.2											32	32	27	11		
60 / 59	.4	1.4	.8	.8	.6	.4	.4	.1										45	46	32	27		
58 / 57	.6	1.3	1.9	1.1	.8	.4	.6	.1										60	60	34	22		
56 / 55		1.4	1.6	.4	.9	.6	.4											47	47	39	35		
54 / 53	.1	1.3	1.8	1.2	1.4	2.0	.4											75	75	48	19		
52 / 51	.1	.9	1.6	.9	1.2	1.2												53	53	48	40		
50 / 49	.1	1.3	.9	1.8	.9	1.9												62	62	51	43		
48 / 47	.1	2.5	.6	2.1	3.1	.6												79	79	49	30		
48 / 45		.4	1.8	1.4	2.6	.4												50	60	62	35		
44 / 43		.8	1.4	3.3	2.1													66	66	59	48		
42 / 41		1.1	1.2	2.1	1.2	.4												55	55	57	32		
40 / 39		.6	.9	.9	1.7													36	36	83	36		
38 / 37	.2	1.5	1.4	1.2	1.1													46	46	72	48		
36 / 35	.6	1.4	.1	.6	.3													29	29	63	59		
34 / 33		1.1	.7	.7	.4													26	26	41	53		
32 / 31		.4		.8														11	11	37	64		
30 / 29		.1	.1	.2														4	4	23	73		
28 / 27		.1		.1														2	2	12	48		
26 / 25			.1	.1														2	2	11	38		
24 / 23			.1															1	1	2	21		
22 / 21			.1															1	1	1	23		
20 / 19																					18		
18 / 17																					12		
16 / 15																					15		
14 / 13																					8		
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OLA) JUL 64

## PSYCHROMETRIC SUMMARY

YEARS

NOV  
MONTH

5950-1160  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (01. A)

FORM 1-75

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

9728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

66-70,73-75  
YEARS

NOV  
MONTH

PAGE 1

1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
66/ 85										.2								2	2						
64/ 83										.1	.1							2	2						
62/ 81									.1									1	1						
60/ 79							.1	.3	.4	.3								11	11						
78/ 77						.1	.2	.2	.3		.1							9	9						
76/ 75					.2	.1	.1	.3		.1								8	8						
74/ 73				.2		.4	.1	.3	.4	.2	.1							17	17						
72/ 71			.2	.4	.8		.1	.4	.3	.3								24	24						
70/ 69		.1	.8	.3	.2	.1	.6	.6	.9	.1	.1							33	34						
68/ 67			.4	.3	.4	.4	.9	.8	.1									31	31	15					
66/ 65		.5	.1	.8	.5	.2	1.2	.6	.2									38	38	16	5				
64/ 63		1.0	.4	.6	.3	1.2	.4	.7	.1									43	43	43	13				
62/ 61	.2	.9	.6	1.4	1.7	1.2	1.2	1.7	.2									68	68	21	22				
60/ 59	.1	1.2	.9	.5	.8	.8	1.8	1.1	.1									66	66	23	22				
58/ 57		1.1	.8	.6	.6	.7	1.7	.6										47	47	42	27				
56/ 55	.2	.9	.8	1.1	.6	2.3	.9	.4										55	65	70	28				
54/ 53		.8	.3	.1	1.7	2.2	1.2	.1										58	58	63	36				
52/ 51		.4	.8	.4	1.1	1.7	2.2											60	60	44	37				
50/ 49		1.2	.7	1.1	1.4	2.6	.6											68	68	45	36				
48/ 47		.3	.3	.6	2.6	2.7	.3											57	57	66	23				
46/ 45		.4	.1	1.7	3.3	1.9	.1											62	62	68	54				
44/ 43		.7	.4	.3	1.1	.8												30	30	57	38				
42/ 41	.1		.1	.4	1.7	.6												26	26	68	35				
40/ 39	.1		.2		1.3	.8												26	26	75	34				
38/ 37	.2	.6	.1		1.7													19	19	58	45				
36/ 35	.3	.6		.3	1.2													27	20	33	42				
34/ 33		.3		.1	.1													5	5	30	43				
32/ 31																				27	71				
30/ 29				.3														3	3	16	42				
28/ 27																				8	61				
26/ 25																					51				
24/ 23																				3	25				
22/ 21																					24				
20/ 19																					23				
Element (X)	Σx <sup>2</sup>			Σx		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																									
Wet Bulb																									
Dew Point																									

## PSYCHROMETRIC SUMMARY

**YEARS**

NO3  
MONTH

1270-1460  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (01 A)

## ISAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

53728 DAVISON AAF/FT BELVOIR VA

68-73, 73-79

NOV  
MONTH

PAGE 1 1500-1730  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL													
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
84 / 83									.1		.1							2	2																
82 / 81											.1							1	1																
80 / 79							.1	.4	.2	.1								8	8																
78 / 77								.2	.6									7	7																
76 / 75					.2	.2		.2		.1								8	8																
74 / 73				.3	.3	.6	.1	.6	.2	.2								21	21																
72 / 71			.1	.6	.8	.1	.6	.2	.2	.4	.2							29	29																
70 / 69			.2	.1	.2	.2	.3	.3	.3		.1							21	21																
68 / 67		.3	.6	.6	.4	.2	.6	.8	.3									34	34	11															
66 / 65		.6	.8	.4	.7	.2	1.1	.6	.2	.1								41	41	18	4														
64 / 63		.9	.8	.4	.6	.6	.5	.9	.1									43	43	36	12														
62 / 61		.3	.3	.7	.4	1.7	.6	1.1	.1									47	47	26	21														
60 / 59		1.0	.8	.4	.6	.9	1.3	1.0	.4									58	58	38	26														
58 / 57	.2	1.8	1.6	1.2	1.3	.8	.8	.3	.1									73	73	37	33														
56 / 55		.9	1.2	.7	.7	2.1	.9	.6										63	63	57	22														
54 / 53		.6	.8	.6	1.1	2.4	.8	.6										61	61	58	37														
52 / 51		.2	.3	.6	1.3	1.8	1.3											49	49	59	33														
50 / 49		1.1	1.7	.7	1.6	2.4	1.2											72	72	52	33														
48 / 47		.4	.6	1.0	3.7	1.6	.2											61	61	58	30														
46 / 45		.7	.2	.6	2.2	1.9	.2											52	52	56	49														
44 / 43		1.0		.6	2.1	1.2												44	44	65	40														
42 / 41		.3	.1	.2	1.6	.4												24	24	82	35														
40 / 39		.4	.3	.6	1.1	.6												27	27	59	38														
38 / 37		1.0	.1	.3	1.3	.6												30	30	48	51														
36 / 35		.1	.2	.2	.4													12	12	55	40														
34 / 33				.2	.7													8	8	27	50														
32 / 31					.2													2	2	22	62														
30 / 29					.1													1	1	18	42														
28 / 27				.1														1	1	12	35														
26 / 25																					44														
24 / 23																					3														
22 / 21																					1														
20 / 19																																			
18 / 17																																			
Element (X)	Σ X'			Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			
														</																					

## PSYCHROMETRIC SUMMARY

**YEARS**

NOV  
MONTH

PAGE ? 1500-1700  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### 0.26-5 (OLA)

USAFETAC FORM JUL 64

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-73,73-79  
YEARS

NOV  
MONTH

PAGE 1

1873-2030  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
75/ 77									.1									1	1					
75/ 75								.1										1	1					
74/ 73					.1			.2										3	3					
72/ 71			.2	.1	.2													5	5					
71/ 69			.2	.4		.3	.1											10	10					
68/ 67			.3	.2	.2	.1			.1									15	15	3				
66/ 65	.1	.2	.3	.2	.5			.1										14	15	7	2			
64/ 63		1.3	.5	.9	.4	.3	.3	.1										35	36	15	7			
62/ 61		.7	1.1	.8	.2	.3			.2									29	29	27	13			
59/ 59		1.8	.9	.8	.6	.8			.1									44	44	21	25			
55/ 57		3.0	1.2	.7	.4	.6	.2	.1										56	56	39	18			
50/ 55	.1	1.1	.9	.6	1.1	.3	.1											37	37	49	32			
54/ 53		1.4	1.8	1.2	1.1	.6	.2											56	56	32	33			
52/ 51	.1	1.0	2.2	1.7	2.1	.1	.2											67	67	42	42			
49/ 49		.5	1.3	1.3	1.7	.2												48	48	42	37			
46/ 47		1.7	1.9	2.8	1.3	.3												72	72	57	27			
45/ 45		1.7	2.2	2.5	2.1	.2												72	72	57	32			
44/ 43		1.2	2.1	3.3	1.8	.2												77	77	70	35			
42/ 41	.2	.7	1.1	1.9	1.6	.2												51	51	78	52			
41/ 39	.1	.9	2.3	2.1	.7	.1												55	55	54	43			
38/ 37	.2	1.3	1.4	1.7	.4													43	43	71	55			
36/ 35		.7	1.9	1.4	.4													40	40	65	52			
34/ 33			.9	1.2	.7													25	25	57	62			
32/ 31		.3	1.5	1.1	.2													24	24	34	50			
29/ 29		.1	.6	.8														13	13	24	42			
28/ 27				.1														1	1	28	43			
26/ 25				.2														2	2	18	45			
24/ 23			.1															1	1	4	46			
22/ 21			.1															1	1	2	28			
21/ 19																				2	18			
18/ 17																				1	17			
16/ 15																					18			
14/ 13																					11			
12/ 11																					7			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OL A) JUL 64

USAFETAC



## PSYCHROMETRIC SUMMARY

**YEARS**

NOV  
MONTH

1800-2000  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (OL A)

FORM 11-11-11

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

5728 DAVIDSON AAF/FT BELVOIR VA

68-70,73-79

NOV  
MONTH

PAGE 1 210-2301  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
74/ 73								.2										2	2						
72/ 71							.1											1	1						
70/ 69						.3												3	3						
68/ 67			.7	.4				.1										11	11						
66/ 65		.6	.3	.1														9	10	4					
64/ 63		.9	.3	.4	.2	.2		.1										20	22	12	9				
62/ 61		.7	.6	.8	.2	.2	.2	.3										26	26	14	5				
60/ 59	.1	2.2	.9	.6	.2	.6	.1	.1										43	43	23	21				
58/ 57		1.7	1.2	.2	.2	.3			.1									34	34	29	20				
56/ 55	.1	2.2	1.1	.1	.3	.6			.1									40	40	35	24				
54/ 53	.7	1.6	.9	.1	.1	.1												31	31	41	37				
52/ 51		1.4	1.0	1.2	1.2			.1										47	47	30	32				
50/ 49		1.6	1.4	1.1	.9													45	45	33	29				
48/ 47	.2	2.5	1.6	2.0	1.1	.3												69	69	44	32				
46/ 45		3.2	1.7	1.2	1.4													68	68	55	23				
44/ 43		3.1	3.2	1.8	1.1													85	80	61	31				
42/ 41	.1	2.6	2.1	1.9	.9													67	67	61	54				
40/ 39		1.9	2.6	1.8	.6													61	61	65	56				
38/ 37		1.2	2.2	1.2	.1													41	41	56	51				
36/ 35		1.9	2.1	1.2														47	47	69	49				
34/ 33		1.6	2.1	.4	.1													38	38	54	66				
32/ 31	.1	2.6	1.7	1.1	.3													52	52	57	53				
30/ 29		1.0	1.2	.3														23	23	42	45				
28/ 27		1.1	.9	.1														18	18	51	53				
26/ 25		.4	.8	.1														12	12	31	55				
24/ 23		.4	.2															6	6	15	42				
22/ 21																				7	24				
20/ 19			.1															1	1	3	27				
18/ 17		.1																1	1		22				
16/ 15		.1																1	1	2	9				
14/ 13																				1	10				
12/ 11																					7				
10/ 9																					5				
8/ 7																					4				
Element (X)	Σ X <sup>2</sup>			Σ X			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature							Total		
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64

## PSYCHROMETRIC SUMMARY

**YEARS**

NOV  
MONTH

HOURS (L. S. T.)

[illegible]

FORM 0-26.5 (OL A)  
JUL 64

**USAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

56-70,73-79  
YEARS

NOV  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point						
85/ 85										.0								2	2							
84/ 83										.0	.0							4	4							
83/ 83										.0	.0	.0						2	2							
82/ 79								.1	.1	.1	.1							20	20							
80/ 77						.0	.0	.1	.1	.1	.0							20	20							
76/ 75					.1	.0	.0	.1		.0								20	20							
74/ 73				.1	.1	.1	.0	.2	.1	.1	.0							47	47							
72/ 71			.1	.1	.2	.0	.1	.1	.1	.1	.0							57	57							
71/ 69		.1	.2	.1	.1	.2	.1	.2	.2	.0	.0							79	82							
66/ 67		.2	.4	.4	.2	.2	.2	.2	.1									130	131	34						
65/ 65	.1	.4	.3	.3	.3	.1	.3	.2	.1	.0								147	150	64	25					
64/ 63	.1	1.0	.4	.5	.3	.4	.2	.2	.0									218	221	161	73					
62/ 61	.1	1.0	.6	.5	.3	.4	.3	.3	.1									253	258	139	92					
60/ 59	.2	1.8	.7	.4	.4	.5	.5	.3	.1									347	348	215	174					
58/ 57	.1	1.8	1.0	.5	.5	.4	.3	.2	.0									353	354	263	166					
55/ 55	.2	1.8	.9	.6	.5	.8	.3	.1	.0									375	375	337	223					
54/ 53	.2	1.7	.9	.4	.4	1.7	.3	.1										395	397	342	261					
51/ 51	.1	1.4	1.3	.7	.9	.7	.6											396	396	302	268					
51/ 49	.1	1.6	1.0	.9	1.0	.9	.2											413	413	341	253					
46/ 47	.1	1.6	1.1	1.0	1.5	.6	.1											487	487	386	234					
46/ 45	.1	2.1	1.5	1.5	1.8	.6												547	547	429	284					
44/ 43	.1	1.5	1.4	1.5	1.2	.3												436	436	475	312					
42/ 41	.1	1.3	1.2	1.3	1.1	.2												371	371	538	318					
41/ 39	.3	1.8	1.4	1.1	.8	.2												325	325	531	310					
37/ 37	.3	1.8	1.3	1.1	.6	.1												359	359	496	401					
36/ 35	.3	1.5	1.1	.7	.3													239	289	425	397					
34/ 33	.2	1.4	1.0	.8	.3													260	260	373	462					
32/ 31	.2	1.7	1.1	.7	.1													264	264	322	491					
31/ 29	.2	1.8	.6	.4														213	213	296	367					
26/ 27	.3	1.1	.2	.1														115	115	302	404					
20/ 25	.1	.5	.2	.1														55	55	159	426					
24/ 23		.4	.2															46	46	78	271					
22/ 21	.1	.2	.2															32	32	40	257					
21/ 19	.1	.1	.1															13	13	39	207					
Element (X)	Σ X <sup>2</sup>		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X	
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 84 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

NOV  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

5728 DAVIDSON AAF/FT BELVOIR VA

68-76,73-79

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
65/ 65		.3																3	3						
64/ 63			.1	.3														4	4	3	1				
63/ 61		.2		.1	.1													6	6	1	2				
62/ 59		.3	.1	.2	.1													7	7	4	1				
61/ 57																				4	5				
60/ 55		.4	.2	.1														7	7	6					
59/ 53		.4	.2	.3	.1	.1												14	16	7	4				
58/ 51		.3	.2	.2	.2													9	10	5	1				
57/ 49		1.0	.3	.3	.4													19	19	12	8				
56/ 47		1.0	1.1	.2	.2													24	24	11	1				
46/ 45		1.1	.8	1.1	.3	.1												31	31	20	11				
44/ 43		1.2	1.1	.5	.2	.1												28	28	26	12				
42/ 41	.5	1.5	.7	1.1	.9													42	42	32	19				
41/ 39	1.3	2.9	2.5	.9	.5													75	75	55	33				
39/ 37		3.6	1.8	2.5	.4	.2												78	78	44	37				
38/ 35	1.1	2.5	2.7	2.4	.7	.1												87	87	71	45				
36/ 33	.9	2.9	3.7	2.4	.1													92	92	69	54				
34/ 31	.3	4.2	2.4	3.0	.2													94	94	84	57				
32/ 29	.4	3.4	3.8	1.8	.2													89	89	93	49				
30/ 27	.4	3.5	1.2	1.1														57	57	97	59				
28/ 25	.3	2.2	2.1	.5														47	47	91	65				
26/ 23		1.5	1.4	.4														31	31	49	36				
22/ 21	.1	1.6	1.0	.3														28	28	45	66				
21/ 19	.1	1.2	1.1															22	22	32	71				
19/ 17		.5	.1															6	6	21	65				
16/ 15	.5	.4																9	9	15	45				
14/ 13	.1	.8																8	8	5	44				
12/ 11	.1	.2																3	3	7	29				
9/ 9																				2	25				
6/ 7																					25				
6/ 5																					15				
4/ 3																					12				
2/ 1																					7				
1/ -1																					1				
Element (X)	ΣX'		ΣX		X̄		e <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

DEC  
MONTH

PAGE 2

1000-52.10  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OL A)

FORM  
M1

**USAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 14728 DAVIDSON AAF/FT BELVOIR VA STATION NAME 68-72,73-79 YEARS DEC MONTH

PAGE 1 375-135.7 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
7 / 69				.3														3	3						
66 / 65																									
64 / 63			.1	.3														4	4						
62 / 61			.1	.2														3	3		3				
6 / 59		.5																5	5	2					
58 / 57		.2	.1	.1														4	4	6	4				
56 / 55		.3	.2															5	5	4	4				
54 / 53	.1	.5	1.1	.2														17	17	7	5				
52 / 51		.5	.4	.2	.2													12	12	7	8				
5 / 49	.1		.1	.1	.3													5	9	16	9				
44 / 47		.9	.4	.2	.2		.1											17	17	5	5				
40 / 45		.9	.9	.4	.4	.1												25	25	12	11				
44 / 43	.2	.4	1.1	1.4	.1													29	29	21	15				
42 / 41	1.1	1.5	1.3	1.6	.9													61	61	28	9				
4 / 39	1.2	1.5	.9	1.5	.4													52	52	53	32				
38 / 37	.2	3.2	1.8	2.2	.8													72	72	37	29				
36 / 35	.7	2.4	2.1	2.4	.3													72	72	67	25				
34 / 33	1.2	4.1	3.1	1.1	.3													89	89	86	49				
32 / 31	.2	3.9	3.5	2.7	.1													95	95	72	69				
3 / 29	.3	5.2	4.1	1.1	.1													98	98	97	51				
26 / 27	.1	4.3	2.7	.9														69	69	98	54				
25 / 29	.2	3.5	2.1	.1														54	54	102	62				
4 / 23		1.2	.5	.1														17	17	57	51				
2 / 21		2.1	2.1	.3														40	40	30	72				
/ 19	.3	1.7	1.5															33	33	36	87				
16 / 17	.4	1.5	.1															19	19	29	50				
16 / 15	.2	.1																3	3	26	58				
14 / 13	.2	.8																9	9	7	26				
11 / 11	.2	.3																5	5	6	32				
/ 9		.3																3	3	3	31				
8 / 7																				3	19				
6 / 5																					13				
4 / 5																					11				
2 / 1																					11				
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Mean No. of Hours with Temperature						
Rel. Hum.																			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																									
Wet Bulb																									
Dew Point																									



## PSYCHROMETRIC SUMMARY

**YEARS**

DEC  
MONTH

0321-1501  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23723  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
YEARS

DEC  
MONTH

PAGE 1

3600-0800  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
7 / 64			.1	.1														2	2				
56 / 65																							
54 / 63				.2														2	2		1		
52 / 61																					1		
51 / 59	.1	.2	.1															4	4	2	1		
50 / 57		.2	.1															5	3	3	2		
56 / 55		.9		.2														10	10	4	4		
54 / 53	.2	.6	.8															16	16	12	6		
52 / 51		.3	.5	.2														10	13	7	8		
51 / 49		.5	.3	.2														10	12	13	9		
48 / 47		.9	.1															9	10	11	6		
46 / 45		.4	.1	.3	.2	.1												11	11	13	3		
44 / 43		1.1	1.2	1.1	.3	.2												36	36	8	6		
42 / 41	.3	2.4	.9	1.3	.3	.1												53	53	27	10		
41 / 39	.6	2.1	2.4	2.7	.3													69	69	42	26		
38 / 37	.4	2.4	1.7	1.4	.5													60	60	45	33		
35 / 35	.5	2.4	1.8	1.6	.4													53	63	72	28		
34 / 33	1.1	4.8	2.4	1.8	.4													97	97	89	23		
32 / 31	.9	3.6	2.8	1.7	.1													84	84	58	16		
31 / 29	1.1	3.1	3.6	.9	.1													80	80	91	50		
29 / 27	.9	6.3	2.4	.7														94	94	90	57		
28 / 25	.3	3.1	3.1	.1														61	61	100	65		
24 / 23	.3	3.2	.7	.1														38	38	73	47		
22 / 21	.1	1.6	.4	.1														21	21	55	69		
21 / 19	.4	2.3	1.3															37	37	26	68		
18 / 17	.1	1.5	.4															19	19	22	68		
16 / 15	.3	1.3	.3															15	15	28	62		
14 / 13	.1	.7																7	7	15	57		
12 / 11	.1	.3																4	4	6	23		
11 / 9		.3																3	5	5	27		
11 / 7		.3																3	3	4	28		
8 / 7																					8		
6 / 3																					12		
4 / 1																					13		
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature											Total	
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

DEC  
MONTH

PAGE 2

2600-1805  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
/ -2 -21 -3																					4 3	
TOTAL	2.5	46.6	27.6	14.1	2.0	.4												921	924	92	921	

USAFETAC FORM 0-26-5 (O.L.A.)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





## PSYCHROMETRIC SUMMARY

58-71, 73-79

DEC  
MONTH

PAGE : 1200-1430  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
75/ 70						.1												1	1					
74/ 73					.1			.1	.1									3	3					
73/ 71				.2	.1													3	3					
7 / 69				.1				.1										2	2					
63/ 67							.1											1	1	1				
65/ 65		.1			.1	.2	.1											5	5	4				
64/ 63	.1	.1			.1				.1									5	5	3				
62/ 61	.1	.1		.3	.3	.3		.2				.1						14	14	2				
6 / 59		.1	.2	.2	.4	.2	.3			.2								16	16	3				
59/ 57		.1			.3	.3	.4	.1										16	16	5				
58/ 55		.4		.9	.2	.5	.1	.4										24	24	11				
54/ 53		.1	.2	.7	.5	1.1	.5	.3										32	32	9				
52/ 51		.3	.4	.3	1.2	1.3	.9	.1										42	42	8				
50/ 49		.7	.9	1.1	1.1	2.3	.2	.2										58	58	19				
48/ 47		.5	.4	1.6	1.5	2.3	.5											67	67	34				
46/ 45		1.1	1.2	2.2	1.7	2.5	.5											85	85	30				
44/ 43	.1	2.2	.8	1.5	2.9	2.7	.3											97	97	48				
42/ 41	.4	2.2	1.5	1.7	2.5	1.2	.1											87	87	95				
4 / 39	.3	2.3	1.8	1.4	3.7	.8												92	92	90				
38/ 37	.1	.5	.3	1.2	3.5	.3												55	55	90				
36/ 35	.5	1.2	.7	2.1	3.6													74	74	105				
34/ 33	.1	.3	.3	1.6	1.2													33	33	77				
32/ 31		.5	.2	2.2	1.7													41	41	62				
3 / 29		.7	.1	1.1	.4													21	21	71				
29/ 27			.8	1.4	.3													23	23	44				
26/ 25			.5	1.2														16	16	29				
24/ 23		.3	.1	.2														6	6	35				
22/ 21			.1															1	1	21				
2 / 19																				11				
20/ 17																				1				
18/ 15																								
14/ 13																								
11/ 11																								
9 / 9																								
Element (X)	Σx <sup>2</sup>	Σx			x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Ref. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

66-73, 73-79

YEARS

DEC  
MONTH

PAGE 2

1200-1400  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7728 DAVISON AAF/FT BELVOIR VA

68-70, 73-79

DEC  
MONTH

PAGE 1 1549-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74 / 73					.1					.1								2	2		
72 / 72				.3				.1										4	4		
7 / 69			.2					.1	.1									4	4		
68 / 67			.1		.1	.2	.1	.2										7	7		
66 / 65		.3			.1	.2	.2		.1	.1								10	10	6	
64 / 62		.1				.1	.1											3	3	4	3
61 / 61				.4	.2	.1		.1										8	8	1	7
59 / 59			.3	.1	.5		.7	.3		.1								19	19	1	1
58 / 57		.5	.3	.1	.2	.4	.7	.1	.3	.1								26	26	6	
56 / 55		.1		.3	.1	.4		.5	.3									17	17	15	3
54 / 53		.1	.3	.1	.8	1.2		.3										24	24	12	5
52 / 51		.1	.9	.7	.9	.7	.9	.2	.1									40	40	11	8
51 / 49		.1	.5	1.1	1.3	1.2	.1	.1										39	39	14	8
48 / 47	.3	1.1	.7	1.4	1.6	2.4	.4											73	73	31	10
47 / 45		1.4	1.2	1.4	2.9	1.9	.7	.1										98	88	51	19
44 / 43		2.4	1.1	1.7	2.9	2.7	.7											106	106	50	24
42 / 41	.4	2.2	1.1	1.3	2.7	2.1	.1											91	91	85	28
41 / 39	.4	1.2	1.1	1.9	3.2	1.2												82	82	80	45
38 / 37	.1	1.1	.8	1.2	3.7	.1												53	63	68	34
38 / 35	.8	.3	.9	2.1	2.9	.3												67	67	91	55
34 / 33		.1	.5	1.9	2.1	.1												42	42	75	53
32 / 31	.2	.3		1.4	1.3													30	30	89	41
31 / 29		.4	.4	1.9	.7													31	31	59	30
28 / 27		.8	.1	1.2	.3													22	22	52	46
26 / 25			.1	1.4														14	14	34	54
24 / 23		.3		.3														6	6	32	52
22 / 21																				20	58
21 / 19																				13	59
18 / 17																				1	54
16 / 15																					59
14 / 13																					33
12 / 11																					41
11 / 9																					33
8 / 7																					18
Element (X)	ΣX <sup>2</sup>		ΣX		Σ		Σ <sup>2</sup>		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					



## PSYCHROMETRIC SUMMARY

DEC  
MONTH

PAGE 2 1500-1730  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OLA)

USAFETAC



## PSYCHROMETRIC SUMMARY

**YEARS**

DEC  
MONTH

PAGE 2 1800-2200  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (O-1-A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

67793  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-77  
YEARS

DEC  
MONTH

PAGE 1 2190-23.3  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
1 / 55			.1															1	1					
55 / 60		.2																2	2					
60 / 65		.2																2	2	2	3			
65 / 70		.1	.2															5	5	2	2			
70 / 75		.3	.1	.4														9	9	4	1			
75 / 80		.1	.3	.2	.2	.2												10	10	4	2			
80 / 85		.5	.3	.1	.1	.1												11	11	5	3			
85 / 90		.1	.2	.1														4	4	11	5			
90 / 95		.5	.2	.1	.1	.1												10	10	8	4			
95 / 100		.3	.7		.3		.1											19	19	16	10			
100 / 105		.4	.9	.8	.6	.1	.1											26	26	10	22			
105 / 110		1.2	.3	1.1	.9	.2	.1											34	34	9	7			
110 / 115	.1	1.1	.7	1.1	.6	.2	.1											35	35	30	9			
115 / 120	.4	4.6	2.4	1.3	.3	.1												83	83	38	27			
120 / 125	.9	2.6	1.9	1.5	.7	.1												69	69	8	36			
125 / 130	.1	3.4	2.1	3.3	1.1	.3												93	93	50	45			
130 / 135	.7	2.1	3.2	2.6	.2	.1												81	81	72	46			
135 / 140	.1	2.5	3.1	3.3	.1													87	82	65	46			
140 / 145	.3	3.1	4.1	3.6														100	100	95	69			
145 / 150	.2	2.3	3.9	1.6	.1													75	75	89	38			
150 / 155	.1	1.1	2.4	1.9														49	49	92	47			
155 / 160		2.6	2.3	1.1														54	54	77	57			
160 / 165	.1	1.1	1.9	.4														24	24	62	47			
165 / 170		.5	.5	.2														12	12	43	49			
170 / 175		.2	1.1															11	11	19	85			
175 / 180	.1	.3	.2															6	6	15	73			
180 / 185	.1	.3	.1															5	5	11	52			
185 / 190	.1	.2																3	3	6	43			
190 / 195																					2	17		
195 / 200																						28		
200 / 205																						15		
205 / 210																						13		
210 / 215																						8		
215 / 220																						14		
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

5728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-72, 73-79

**YEARS**

DEC  
MONTH

PAGE ?

2100-2300  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

6728 DAVISON AAF/FT BELVOIR VA 58-70,73-79

YEARS

DEC  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17	18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
16 / 75																				1	1				
74 / 73																				5	5				
77 / 71																				7	7				
7 / 69																				16	16				
68 / 57																				11	11	1			
56 / 65																				22	22	19			
64 / 63																				29	29	14			
62 / 61																				47	47	11			
6 / 59																				73	73	21			
52 / 57																				79	79	35			
50 / 55																				94	94	57			
44 / 53																				127	129	81			
51 / 51																				159	160	64			
5 / 49																				208	213	119			
48 / 47																				235	238	135			
46 / 45																				365	365	181			
44 / 43																				447	447	241			
42 / 41																				587	587	433			
4 / 39																				654	654	557			
36 / 37																				613	613	513			
32 / 35																				606	636	670			
34 / 33																				580	580	610			
2 / 31																				595	595	629			
2 / 29																				492	492	683			
26 / 27																				390	390	609			
25 / 25																				299	299	574			
24 / 23																				156	156	387			
22 / 21																				130	130	265			
2 / 19																				117	117	173			
16 / 17																				56	56	117			
16 / 15																				33	33	94			
14 / 13																				27	27	34			
12 / 11																				13	13	22			
9 / 9																				6	6	19			
Element (X)	Σ X <sup>2</sup>			Σ X			X̄			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature									
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OL A) JUL 64  
USAFETAC  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

DEC  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
7																		3	3	7	16	
6																					5	
5																					8	
4																					8	
3																					2	
2																					1	
1																					1	
0																					1	
-1																					1	
-2																					1	
-3																					1	
-4																					1	
-5																					1	
-6																					1	
-7																					1	
TOTAL	4.7	28.8	24.6	21.9	12.5	5.3	1.3	.6	.2	.1	.0							7352	7363	7352	7352	
														</								

**USAFETAC** FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
N.H. 04

## PSYCHROMETRIC SUMMARY

66-71, 73-8

YEARS

ALL  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

YEARS

ALL  
MONTH

ALL  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93728

DAVISON AAF/FT BELVOIR VA

68-70,73-80

STATION

STATION NAME

YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN	30.3	31.4	41.6	49.7	58.1	65.7	70.0	69.7	62.9	50.7	43.7	34.7	50.8
	S D	10.503	10.370	10.422	9.490	8.115	6.900	5.353	5.763	7.737	10.246	10.516	9.271	16.531
	TOTAL OBS	923	846	930	900	930	898	930	930	900	930	900	923	10940
3-05	MEAN	29.1	29.7	39.9	47.1	56.0	63.8	68.3	68.1	61.5	49.4	42.2	33.7	49.2
	S D	10.791	10.415	10.532	9.617	8.428	6.992	5.597	5.849	7.922	10.569	10.845	9.486	16.539
	TOTAL OBS	924	845	930	900	930	900	930	930	900	930	900	924	10943
6-08	MEAN	28.4	29.1	39.8	49.5	59.9	67.9	71.7	70.7	63.3	50.1	41.7	32.9	50.5
	S D	11.049	10.295	10.262	9.502	7.984	6.232	5.390	5.950	7.727	10.274	10.957	9.394	17.815
	TOTAL OBS	924	846	930	900	930	900	930	930	900	930	900	924	10944
9-11	MEAN	33.2	36.0	47.1	58.7	68.1	75.8	79.8	79.5	72.5	59.9	50.1	38.2	58.4
	S D	9.536	10.449	10.208	9.736	7.939	6.135	5.362	5.571	6.806	8.380	9.927	8.483	18.424
	TOTAL OBS	924	846	930	900	930	900	930	930	900	930	900	923	10943
12-14	MEAN	37.9	41.3	52.3	63.9	72.7	80.1	84.1	84.0	77.1	65.3	55.4	43.0	63.2
	S D	9.730	11.404	11.333	10.714	8.630	6.902	5.725	5.912	7.281	8.896	10.472	8.870	18.523
	TOTAL OBS	923	846	930	900	930	900	930	930	900	930	900	920	10939
15-17	MEAN	38.6	42.5	53.8	65.4	73.5	80.4	84.0	83.8	76.9	64.9	54.9	43.1	63.6
	S D	9.938	11.681	11.486	10.816	8.688	7.408	5.892	6.110	7.319	8.991	10.396	9.050	18.377
	TOTAL OBS	924	846	930	900	930	900	930	930	900	930	900	918	10938
18-20	MEAN	34.4	37.8	49.1	60.1	68.2	75.2	78.6	77.3	69.1	56.3	48.5	38.4	57.9
	S D	9.662	11.032	10.646	10.029	8.247	6.822	5.594	5.904	7.335	9.155	9.919	8.670	17.694
	TOTAL OBS	924	846	930	900	928	899	930	930	900	930	900	916	10933
21-23	MEAN	31.8	33.7	44.5	53.5	61.4	68.9	72.3	71.6	64.5	52.3	45.2	36.0	53.1
	S D	9.885	10.524	10.333	9.397	8.028	6.771	5.257	5.614	7.434	9.856	10.389	8.795	16.626
	TOTAL OBS	924	846	930	900	927	900	930	930	900	930	900	915	10932
ALL HOURS	MEAN	33.0	35.2	46.0	56.0	64.7	72.2	76.1	75.6	68.4	56.1	47.7	37.5	55.8
	S D	10.763	11.782	11.818	11.882	10.401	9.103	8.090	8.363	9.563	11.363	11.594	9.736	18.388
	TOTAL OBS	739	6767	7440	7200	7435	7197	7440	7440	7200	7440	7200	7363	87512

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93728 DAVISON AAF/FT BELVOIR VA

68-70,73-80

STATION		STATION NAME												YEARS											
HRS (LST.)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
0-2	MEAN	27.6	28.2	37.3	45.0	54.7	62.8	66.9	66.9	60.0	48.0	40.5	31.5	47.6											
	S D	1.190	9.421	9.683	8.969	7.898	6.509	5.051	5.590	7.447	10.047	10.353	8.971	16.437											
	TOTAL OBS	923	846	930	930	930	898	930	929	900	930	897	920	10933											
3-35	MEAN	26.5	26.9	36.2	43.3	53.3	61.3	65.7	65.6	58.9	46.9	39.5	30.7	46.4											
	S D	1.330	9.700	9.954	9.248	8.326	6.758	5.414	5.824	7.671	10.325	10.705	9.097	16.506											
	TOTAL OBS	924	845	930	930	930	900	930	930	900	930	897	921	10937											
6-08	MEAN	25.9	26.4	36.2	45.0	55.8	64.0	67.8	67.3	59.9	47.4	39.2	30.1	47.2											
	S D	1.504	9.800	9.912	9.116	7.956	5.958	5.015	5.703	7.404	10.134	10.895	9.101	17.327											
	TOTAL OBS	924	846	930	930	930	900	930	930	900	930	897	921	10938											
9-11	MEAN	29.6	31.2	40.7	49.5	59.7	67.3	71.1	71.2	64.8	53.4	44.7	33.8	51.5											
	S D	9.26	9.601	9.409	8.435	7.427	5.660	4.803	5.154	6.357	8.484	9.738	8.181	16.774											
	TOTAL OBS	924	846	930	930	930	900	930	929	900	930	897	921	10937											
12-14	MEAN	32.5	34.4	43.4	51.8	61.5	68.8	72.2	72.4	66.2	55.5	47.3	36.7	53.7											
	S D	9.088	9.502	9.430	8.312	7.312	5.780	4.796	5.163	6.459	8.417	9.695	8.269	16.152											
	TOTAL OBS	923	846	930	930	930	900	930	930	900	930	899	920	10938											
15-17	MEAN	32.9	35.0	44.1	52.4	61.8	68.8	72.2	72.4	66.3	55.3	47.0	36.7	53.9											
	S D	9.190	9.406	9.252	8.099	7.237	5.932	4.626	5.016	6.352	8.603	9.789	8.504	16.043											
	TOTAL OBS	924	846	930	930	930	900	930	930	900	930	900	918	10938											
18-21	MEAN	30.4	32.2	41.7	50.2	60.4	67.5	71.1	71.0	64.0	51.7	43.6	34.0	51.6											
	S D	9.316	9.451	9.334	8.319	7.383	5.907	4.633	5.146	6.642	9.168	9.944	8.571	16.580											
	TOTAL OBS	924	846	930	930	928	899	930	928	900	930	899	916	10930											
21-23	MEAN	28.6	29.7	39.2	47.2	57.1	64.8	68.6	68.4	61.3	49.1	41.4	32.5	49.1											
	S D	9.498	9.319	9.596	8.632	7.646	6.307	4.929	5.439	7.121	9.661	10.176	8.760	16.463											
	TOTAL OBS	924	846	930	930	927	898	930	927	900	930	897	915	10924											
ALL HOURS	MEAN	29.2	30.5	39.8	48.1	58.1	65.6	69.4	69.4	62.7	50.9	42.9	33.3	50.1											
	S D	9.983	9.999	10.009	9.215	8.235	6.658	5.456	5.926	7.493	9.946	10.612	8.996	16.768											
	TOTAL OBS	7390	6767	7440	7200	7435	7195	7440	7433	7200	7440	7183	7352	87475											

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93728

DAVISON AAF/FT BELVOIR VA

68-70,73-80

STATION		STATION NAME										YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL									
0-02	MEAN	20.9	20.7	30.5	39.3	51.8	60.9	65.1	65.3	58.0	45.1	36.1	25.4	43.4									
	S D	13.083	11.892	12.225	11.289	9.158	7.008	5.581	6.110	7.974	11.207	12.405	11.507	19.107									
	TOTAL OBS	923	846	930	900	930	898	930	929	900	930	897	920	10933									
3-05	MEAN	20.0	20.2	30.1	38.6	50.9	59.7	64.1	64.2	57.0	44.1	35.4	24.8	42.6									
	S D	12.804	12.133	12.484	11.240	9.375	7.175	5.845	6.406	8.212	11.411	12.514	11.374	19.011									
	TOTAL OBS	924	845	930	900	930	900	930	930	900	930	897	921	10937									
6-08	MEAN	19.6	19.7	30.2	39.5	52.4	61.5	65.6	65.4	57.8	44.5	35.5	24.4	43.1									
	S D	12.817	12.588	12.646	11.339	9.682	6.868	5.717	6.366	7.952	11.362	12.690	11.384	19.623									
	TOTAL OBS	924	846	930	900	930	900	930	930	900	930	897	921	10938									
9-11	MEAN	21.4	21.6	31.4	39.4	53.1	62.1	66.4	66.8	59.7	47.1	38.2	25.8	44.6									
	S D	12.800	13.131	13.127	12.153	10.437	7.741	6.493	6.825	8.245	11.310	12.591	11.489	19.634									
	TOTAL OBS	924	846	930	900	930	900	930	929	900	930	897	921	10937									
12-14	MEAN	22.0	22.2	31.5	39.2	53.0	62.1	65.9	66.4	59.4	46.5	37.9	26.1	44.5									
	S D	13.149	12.799	13.338	12.350	10.697	8.117	6.880	7.142	8.835	11.801	13.213	12.301	19.598									
	TOTAL OBS	923	846	930	900	930	900	930	930	900	930	899	920	10938									
15-17	MEAN	21.9	22.0	31.4	38.9	53.0	62.0	66.1	66.5	59.5	46.5	37.5	25.8	44.4									
	S D	13.394	12.695	13.254	12.329	10.859	8.223	6.742	7.029	8.792	12.118	13.556	12.856	19.763									
	TOTAL OBS	924	846	930	900	930	900	930	930	900	930	900	918	10938									
18-20	MEAN	21.7	21.6	31.3	39.4	54.3	62.9	67.1	67.6	60.7	47.2	37.2	25.9	44.9									
	S D	12.971	12.484	12.967	12.214	10.062	7.719	6.114	6.349	7.632	11.191	12.898	12.255	19.910									
	TOTAL OBS	924	846	930	900	928	899	930	928	900	930	899	916	10930									
21-23	MEAN	21.2	21.4	31.4	39.9	53.6	62.3	66.5	66.6	59.1	45.9	36.2	25.7	44.3									
	S D	12.596	11.853	12.468	11.527	9.036	7.134	5.575	5.976	7.695	11.002	12.404	11.891	19.419									
	TOTAL OBS	924	846	930	900	927	898	930	927	900	930	897	915	10924									
ALL HOURS	MEAN	21.1	21.2	30.9	39.3	52.8	61.7	65.9	66.1	58.9	45.9	36.7	25.5	44.0									
	S D	12.973	12.475	12.825	11.814	9.980	7.566	6.196	6.609	8.252	11.478	12.824	11.900	19.524									
	TOTAL OBS	7390	6767	7440	7200	7435	7195	7440	7433	7200	7440	7183	7352	87475									

## RELATIVE HUMIDITY

JAN  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.9	95.9	83.3	67.8	50.3	29.1	11.6	69.5	923
	03-05	100.0	100.0	99.8	96.4	85.6	68.4	54.4	32.6	11.0	70.4	924
	06-08	100.0	100.0	99.8	96.4	87.1	70.6	54.3	35.8	11.5	71.2	924
	09-11	100.0	100.0	98.4	91.5	70.8	51.6	38.2	24.6	9.2	63.9	924
	12-14	100.0	99.9	94.6	74.5	46.9	34.3	22.5	15.9	5.6	55.0	923
	15-17	100.0	100.0	93.2	69.2	43.6	31.8	22.7	15.9	5.8	53.8	924
	18-20	100.0	100.0	98.9	88.4	67.9	46.3	31.1	18.6	7.8	61.6	924
	21-23	100.0	100.0	99.7	93.4	78.9	62.0	42.2	22.0	8.3	66.4	924
TOTALS		100.0	100.0	98.0	88.2	70.5	54.1	39.5	24.3	8.9	64.0	7392

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70, 73-80  
PERIOD

FEB  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	99.4	93.7	76.6	63.4	44.8	26.4	9.2	66.6	846
	03-05	100.0	100.0	99.3	96.0	80.6	65.3	52.7	33.1	9.7	69.3	845
	06-08	100.0	100.0	99.5	95.9	80.6	67.1	53.0	34.2	10.6	69.7	846
	09-11	100.0	99.5	97.3	82.9	56.0	39.8	27.5	17.3	6.9	58.2	846
	12-14	100.0	98.8	87.6	61.5	33.9	24.6	18.6	12.1	3.3	49.6	846
	15-17	100.0	98.1	81.3	51.3	30.9	24.1	18.6	11.0	4.5	47.6	846
	18-20	100.0	99.5	94.6	74.0	48.2	33.9	23.8	15.4	5.2	55.0	846
	21-23	100.0	100.0	99.3	89.8	70.9	50.4	33.9	18.7	7.6	62.6	846
TOTALS		100.0	99.5	94.8	80.6	59.7	45.7	34.1	21.0	7.1	59.8	6767

## RELATIVE HUMIDITY

13728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-72, 73-80

MAR  
MONTH

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	99.6	92.6	76.8	61.4	43.8	26.7	8.5	66.6	930
	03-05	100.0	100.0	99.5	95.1	82.9	67.1	52.8	32.5	9.7	69.7	930
	06-08	100.0	100.0	99.6	94.3	84.1	68.8	54.8	34.2	10.4	70.2	930
	09-11	100.0	99.7	95.2	76.0	52.3	39.1	28.7	18.9	6.0	57.2	930
	12-14	100.0	98.2	80.1	53.1	35.2	27.7	22.0	13.5	3.4	48.9	930
	15-17	100.0	96.5	71.2	47.4	33.4	27.3	20.0	11.5	3.4	46.7	930
	18-20	100.0	99.4	89.1	66.6	45.9	33.9	26.2	14.8	5.1	53.7	930
	21-23	100.0	99.9	98.2	88.4	70.4	50.1	34.8	20.4	5.7	62.2	930
TOTALS		100.0	99.2	91.6	76.7	60.1	46.9	35.4	21.6	6.5	59.4	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

69-70,73-8J

PERIOD

APR  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	99.4	93.8	80.4	69.2	53.7	31.3	10.2	69.5	900
	03-05	100.0	100.0	99.9	97.6	88.3	75.9	60.1	44.2	13.8	73.9	900
	06-08	100.0	100.0	99.7	95.7	84.1	66.4	51.1	35.9	13.3	70.3	900
	09-11	100.0	99.6	88.6	65.8	43.9	27.8	20.3	12.6	5.1	52.1	900
	12-14	100.0	96.2	68.4	45.0	27.6	19.7	12.9	8.9	4.3	44.0	900
	15-17	100.0	90.9	62.0	40.1	25.9	17.1	11.6	7.9	3.0	41.6	900
	18-20	100.0	97.6	81.1	61.9	43.9	27.7	16.2	8.7	3.7	49.8	900
	21-23	100.0	99.9	95.9	86.9	72.1	55.3	34.7	17.2	6.8	62.4	900
TOTALS		100.0	98.0	86.9	73.4	58.3	44.9	32.5	20.8	7.5	57.9	7200



## RELATIVE HUMIDITY

MAY  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	0-02	100.0	100.0	100.0	99.9	95.1	88.6	79.9	61.7	23.4	8 .8	930
	3-05	100.0	100.0	100.0	99.5	97.2	93.5	86.3	70.6	31.3	83.6	930
	06-08	100.0	100.0	99.8	98.5	93.1	84.0	71.1	51.2	18.1	71.5	930
	09-11	100.0	99.9	98.2	84.6	67.2	48.4	31.1	17.6	3.7	60.9	930
	12-14	100.0	99.8	90.4	70.0	48.0	32.0	18.8	10.5	2.9	52.8	930
	15-17	100.0	99.5	86.7	65.8	45.2	32.8	20.3	10.9	2.8	52.0	930
	18-20	100.0	100.0	96.7	85.8	72.7	57.4	39.8	22.6	5.2	63.8	926
	21-23	100.0	100.0	100.0	98.3	93.2	84.8	72.8	47.5	13.7	77.0	927
TOTALS		100.0	99.9	96.5	87.7	76.5	65.2	52.5	36.6	12.6	68.6	7435

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-73, 73-79

PERIOD

JUN  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	99.8	98.0	89.5	75.3	27.3	84.8	898
	03-05	100.0	100.0	100.0	100.0	99.9	99.1	93.9	79.3	34.0	86.9	900
	06-08	100.0	100.0	100.0	100.0	98.6	93.7	80.6	56.4	19.8	80.6	900
	09-11	100.0	100.0	99.7	94.7	80.0	58.7	35.4	14.8	2.4	64.1	900
	12-14	100.0	100.0	98.0	85.2	59.4	34.1	17.4	8.1	1.8	55.8	900
	15-17	100.0	100.0	97.7	81.4	58.1	33.3	17.4	8.6	2.1	55.4	900
	18-20	100.0	100.0	99.9	95.9	83.9	65.6	43.5	21.7	5.5	67.1	899
	21-23	100.0	100.0	100.0	100.0	98.7	94.1	79.2	56.5	16.7	80.2	898
TOTALS		100.0	100.0	99.4	94.7	84.8	72.1	57.1	39.8	13.7	71.9	7195

USAF ETAC

FORM  
JUL 64

0-87-5 (OL 1)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

92128  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 73-79  
PERIOD

JUL  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.5	99.4	92.5	71.7	25.5	84.8	930
	03-05	100.0	100.0	100.0	100.0	99.8	99.4	95.7	79.6	30.6	86.7	930
	06-08	100.0	100.0	100.0	100.0	99.4	95.2	84.0	58.9	18.4	81.4	930
	09-11	100.0	100.0	100.0	96.3	85.9	62.3	32.7	13.8	2.0	64.0	930
	12-14	100.0	100.0	99.1	87.5	60.1	32.3	14.6	5.5	1.4	55.7	930
	15-17	100.0	100.0	99.2	87.5	60.6	32.8	18.6	9.4	2.7	56.5	930
	18-20	100.0	100.0	100.0	98.0	89.2	69.5	46.7	25.6	5.4	69.1	930
	21-23	100.0	100.0	100.0	100.0	99.6	97.0	86.2	64.2	18.0	82.3	930
TOTALS		100.0	100.0	99.8	96.2	86.8	73.4	50.9	41.1	13.0	72.7	7440

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FORM  
JUL 64

0-87-5 (OL 1)

3  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-73,73-79

PERIOD

SEP  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	99.9	97.3	91.2	69.1	27.8	84.4	900
	03-05	100.0	100.0	100.0	100.0	99.8	97.8	93.6	72.3	30.3	85.3	900
	06-08	100.0	100.0	100.0	100.0	100.0	97.9	89.2	64.9	22.1	83.3	900
	09-11	100.0	100.0	99.7	96.9	84.9	61.6	37.1	15.7	4.0	65.5	900
	12-14	100.0	100.0	98.2	84.2	60.1	35.3	15.3	8.1	1.7	56.0	900
	15-17	100.0	100.0	98.2	86.0	60.7	37.6	18.0	10.2	2.1	56.8	900
	18-20	100.0	100.0	100.0	99.2	96.3	85.9	68.0	37.6	9.1	75.3	900
	21-23	100.0	100.0	100.0	100.0	100.0	96.2	87.8	64.2	20.9	82.8	900
TOTALS		100.0	100.0	99.5	95.8	87.7	76.2	62.5	42.8	14.7	73.7	7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70,73-79  
PERIOD

OCT  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	99.9	98.3	91.9	82.6	62.5	26.5	81.8	931
	03-05	100.0	100.0	100.0	99.9	98.4	93.5	83.3	64.3	27.8	82.5	930
	06-08	100.0	100.0	100.0	99.6	96.3	92.8	81.0	61.3	28.1	81.6	931
	09-11	100.0	100.0	99.6	93.3	74.6	55.4	36.1	20.9	6.8	64.5	930
	12-14	100.0	100.0	95.1	71.9	47.3	29.2	17.3	9.7	2.8	53.0	931
	15-17	100.0	99.7	95.4	72.9	50.1	32.0	17.0	10.2	3.0	53.6	930
	18-20	100.0	100.0	99.7	97.6	90.3	78.1	60.4	32.4	17.6	72.7	930
	21-23	100.0	100.0	100.0	99.5	96.2	89.2	76.8	56.2	20.5	79.6	930
TOTALS		100.0	100.0	98.7	91.8	81.7	70.3	56.8	39.7	15.8	71.2	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70,73-79  
PERIOD

NOV  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	99.9	98.3	92.4	79.9	66.0	46.1	19.7	75.9	897
	03-05	100.0	100.0	100.0	99.6	94.6	84.1	72.6	51.7	22.1	72.1	897
	06-08	100.0	100.0	99.9	99.7	96.0	85.6	76.3	57.9	25.8	79.5	897
	09-11	100.0	100.0	99.9	94.1	73.5	55.2	40.9	26.0	10.4	65.7	897
	12-14	100.0	100.0	97.0	71.7	44.6	31.6	22.9	14.7	5.3	54.5	899
	15-17	100.0	99.9	95.4	74.1	46.8	34.0	24.0	15.1	4.4	54.7	899
	18-20	100.0	100.0	99.7	95.0	80.3	60.8	41.6	22.5	7.5	66.5	899
	21-23	100.0	100.0	99.7	98.0	89.5	74.1	57.7	35.8	12.3	72.3	897
TOTALS		100.0	100.0	98.9	91.3	77.2	63.2	50.3	33.7	13.4	68.4	7183

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

93728  
STATION

DAVISON AAF/FT BELVOIR VA  
STATION NAME

68-70, 3-79  
PERIOD

DEC  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	99.6	96.8	86.7	69.0	52.8	31.3	15.3	70.5	920
	03-05	100.0	100.0	99.9	97.6	98.3	72.6	55.0	31.7	11.9	71.3	921
	06-08	100.0	100.0	99.9	97.8	89.0	75.4	57.3	35.8	14.3	72.4	921
	09-11	100.0	99.9	98.0	90.8	69.5	52.1	35.5	22.3	8.6	63.3	921
	12-14	100.0	99.7	93.3	71.5	45.4	30.8	20.5	15.0	5.9	54.0	920
	15-17	100.0	99.1	91.8	68.6	43.8	31.3	22.2	14.9	5.6	53.5	918
	18-20	100.0	100.0	97.9	89.8	72.6	49.5	32.5	20.5	7.6	62.7	916
	21-23	100.0	100.0	99.3	94.5	81.5	63.4	46.2	28.3	11.1	68.0	915
TOTALS		100.0	99.8	92.5	88.4	72.1	55.5	40.3	25.0	9.8	64.5	7352



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

5728  
STATION

AVISON AAF/FT BELVOIR  
STATION NAME

66-73,73-83

PERIOD

ALL  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	98.7	88.2	70.5	54.1	39.5	24.3	8.9	64.1	739
FEB		100.0	99.5	94.8	80.6	59.7	45.7	34.1	21.0	7.1	59.2	6767
MAR		100.0	99.2	91.6	76.7	60.1	46.9	35.4	21.6	6.5	59.4	7440
APR		100.0	98.0	86.9	73.4	58.3	44.9	32.5	20.8	7.5	57.9	7200
MAY		100.0	99.9	96.5	87.7	76.5	65.2	52.5	36.6	12.6	63.6	7435
JUN		100.0	100.0	99.4	94.7	84.8	72.1	57.1	39.8	13.7	71.9	7195
JUL		100.0	100.0	99.8	96.2	86.8	73.4	58.9	41.1	13.0	72.7	7440
AUG		100.0	100.0	99.9	97.5	88.6	77.0	63.4	46.0	14.4	74.4	7433
SEP		100.0	100.0	99.5	95.6	87.7	76.2	62.5	42.8	14.7	73.7	7200
OCT		100.0	100.0	98.7	91.8	81.7	70.3	56.8	39.7	15.6	71.2	7440
NOV		100.0	100.0	98.9	91.3	77.2	63.2	50.3	33.7	13.4	68.4	7183
DEC		100.0	99.8	97.5	88.4	72.1	55.5	40.3	25.0	9.8	64.5	7352
TOTALS		100.0	99.7	96.8	88.5	75.3	62.0	48.6	32.7	11.5	67.2	87475

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART F

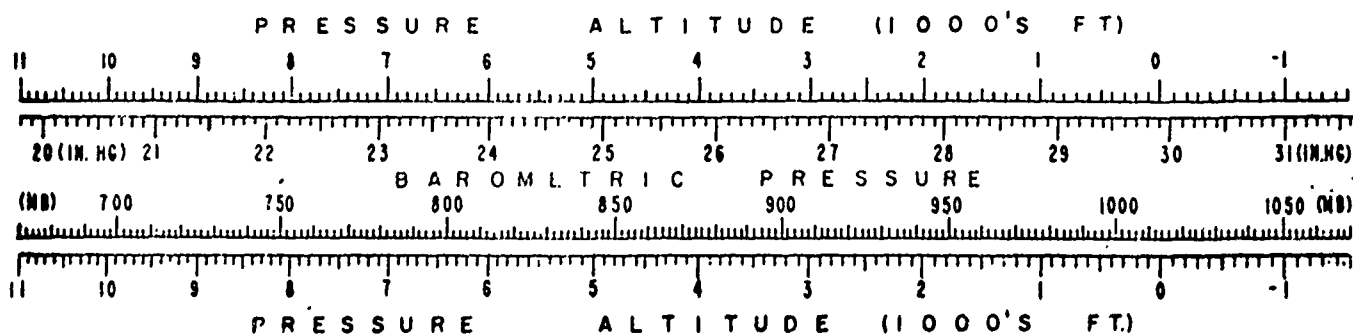
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.  
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

93728      DAVISON AAF/FT BELVOIR VA      68-70,73-80

STATION		STATION NAME												YEARS	
HRS (LST)		JAN.	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP.	OCT	NOV	DEC	ANNUAL	
1	MEAN	29.992	29.978	29.941	29.912	29.897	29.906	29.923	29.952	29.981	30.014	29.989	29.969	29.954	
	S D	.274	.251	.239	.216	.167	.153	.128	.110	.147	.200	.219	.273	.208	
	TOTAL OBS	308	282	310	310	310	300	310	310	300	310	300	308	3648	
4	MEAN	29.997	29.973	29.930	29.908	29.895	29.900	29.919	29.948	29.973	30.010	29.987	29.973	29.951	
	S D	.276	.249	.243	.224	.172	.155	.130	.113	.150	.204	.224	.276	.211	
	TOTAL OBS	308	282	310	310	310	300	310	310	300	310	300	308	3648	
7	MEAN	30.014	29.996	29.962	29.942	29.928	29.929	29.947	29.978	30.002	30.037	30.008	29.992	29.978	
	S D	.278	.249	.249	.234	.175	.157	.132	.114	.154	.210	.228	.281	.215	
	TOTAL OBS	308	282	310	310	310	300	310	310	300	310	300	308	3648	
10	MEAN	30.045	30.017	29.974	29.942	29.930	29.933	29.952	29.989	30.014	30.052	30.026	30.019	29.991	
	S D	.282	.253	.264	.243	.176	.158	.133	.116	.155	.213	.233	.283	.220	
	TOTAL OBS	308	282	310	300	310	300	310	310	300	310	300	308	3648	
13	MEAN	29.983	29.969	29.925	29.899	29.898	29.908	29.927	29.961	29.978	30.003	29.971	29.954	29.948	
	S D	.279	.253	.263	.233	.174	.156	.133	.113	.152	.210	.228	.278	.216	
	TOTAL OBS	308	282	310	300	310	300	310	310	300	310	300	306	3646	
16	MEAN	29.968	29.938	29.886	29.861	29.861	29.876	29.896	29.926	29.943	29.978	29.955	29.945	29.919	
	S D	.273	.247	.251	.223	.169	.155	.132	.111	.148	.204	.222	.268	.210	
	TOTAL OBS	308	282	310	310	310	300	310	310	300	310	300	306	3646	
19	MEAN	29.998	29.966	29.910	29.877	29.868	29.881	29.900	29.934	29.954	30.004	29.982	29.970	29.937	
	S D	.268	.244	.240	.209	.163	.150	.126	.107	.145	.200	.214	.265	.206	
	TOTAL OBS	308	282	310	310	309	300	310	310	300	310	300	305	3644	
22	MEAN	30.006	29.982	29.939	29.912	29.899	29.911	29.929	29.960	29.981	30.024	29.994	29.974	29.959	
	S D	.270	.245	.236	.209	.163	.150	.125	.108	.144	.202	.216	.269	.205	
	TOTAL OBS	308	282	310	300	309	300	310	310	300	309	300	305	3643	
ALL HOURS	MEAN	30.000	29.977	29.933	29.907	29.897	29.906	29.924	29.956	29.978	30.015	29.989	29.974	29.955	
	S D	.275	.249	.249	.225	.171	.155	.131	.113	.151	.206	.224	.275	.212	
	TOTAL OBS	2464	2256	2480	2400	2478	2400	2480	2480	2400	2479	2400	2454	29171	

GLOBAL CLIMATOLOGY BRANCH  
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AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

93728

DAVISON AAF/FT BELVOIR VA

68-70,73-80

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN.	JUL.	AUG.	SEP	OCT.	NOV.	DEC	ANNUAL	
01	MEAN	1018.4	1017.9	1016.7	1015.7	1015.2	1015.5	1016.1	1017.0	1018.0	1019.2	1018.3	1017.6	1017.1	
	S D	9.286	8.492	8.374	7.323	5.677	5.184	4.365	3.742	4.993	6.798	7.417	9.282	7.054	
	TOTAL OBS	308	282	310	300	310	300	310	310	300	310	300	308	3648	
4	MEAN	1018.6	1017.8	1016.3	1015.6	1015.1	1015.3	1015.9	1016.9	1017.8	1019.0	1018.2	1017.8	1017.0	
	S D	9.37	8.427	8.219	7.582	5.820	5.273	4.417	3.822	5.100	6.916	7.564	9.273	7.161	
	TOTAL OBS	308	282	310	300	310	300	310	310	300	310	300	308	3648	
17	MEAN	1019.2	1018.6	1017.4	1016.7	1016.2	1016.3	1016.9	1017.9	1018.8	1019.9	1018.9	1018.4	1017.9	
	S D	9.440	8.464	8.469	7.948	5.932	5.330	4.487	3.895	5.206	7.120	7.709	9.544	7.280	
	TOTAL OBS	308	282	310	300	310	300	310	310	300	310	300	308	3648	
21	MEAN	1020.2	1019.3	1017.8	1016.7	1016.3	1016.4	1017.0	1018.2	1019.1	1020.4	1019.5	1019.3	1018.4	
	S D	9.582	8.591	8.981	8.128	5.987	5.365	4.512	3.910	5.252	7.231	7.895	9.615	7.462	
	TOTAL OBS	308	282	310	300	310	300	310	310	300	310	300	308	3648	
13	MEAN	1018.1	1017.7	1016.2	1015.3	1015.2	1015.5	1016.2	1017.3	1017.9	1018.7	1017.7	1017.1	1016.9	
	S D	9.451	8.630	8.910	7.884	5.909	5.320	4.518	3.832	5.165	7.096	7.727	9.438	7.309	
	TOTAL OBS	308	282	310	300	310	300	310	310	300	310	300	306	3646	
16	MEAN	1017.6	1016.6	1014.9	1014.0	1014.0	1014.5	1015.1	1016.1	1016.7	1017.9	1017.1	1016.8	1015.9	
	S D	9.276	8.403	8.508	7.576	5.737	5.258	4.482	3.757	5.025	6.917	7.524	9.397	7.142	
	TOTAL OBS	308	282	310	300	310	300	310	310	300	310	300	306	3646	
19	MEAN	1018.6	1017.6	1015.7	1014.6	1014.2	1014.6	1015.3	1016.4	1017.1	1018.8	1018.0	1017.6	1016.5	
	S D	9.083	8.321	8.165	7.118	5.534	5.116	4.272	3.632	4.933	6.797	7.262	8.983	6.997	
	TOTAL OBS	308	282	310	300	309	300	310	310	300	310	300	305	3644	
22	MEAN	1018.9	1018.1	1016.6	1015.7	1015.3	1015.7	1016.2	1017.3	1018.0	1019.5	1018.5	1017.8	1017.3	
	S D	9.159	8.337	8.017	7.104	5.540	5.065	4.237	3.642	4.899	6.828	7.308	9.155	6.959	
	TOTAL OBS	308	282	310	300	309	299	310	310	300	310	300	305	3643	
ALL HOURS	MEAN	1018.7	1017.9	1016.5	1015.5	1015.2	1015.5	1016.1	1017.2	1017.9	1019.2	1018.3	1017.8	1017.1	
	S D	9.347	8.473	8.458	7.631	5.814	5.271	4.451	3.831	5.118	6.991	7.574	9.328	7.206	
	TOTAL OBS	2464	2256	2480	2400	2478	2399	2480	2480	2400	2480	2400	2454	29171	